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Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

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Volume 148 No. 24 — Schnell Publishing Company, Inc., Publishers — December 10, 1945

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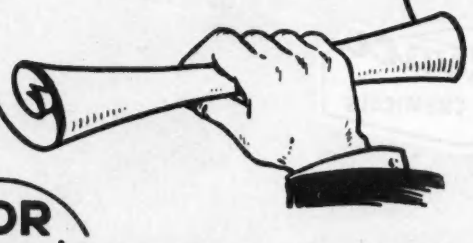

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War Powers Extension Cut to Six Months

OPD Washington Bureau

Priorities and allocation authority granted to the WPB and other wartime agencies under the second war powers act would be continued until June 30, 1946, under provisions of H. R. 4780 passed unanimously by the House, December 3. These powers would expire December 31, 1945, under existing law.

Government agencies affected by the termination of the authority contained in the second war powers act had all appealed to the House committee on judiciary for a continuation of the law for another full year. Members of the committee felt, however, that a six-months' extension would be sufficient, but promised to review the situation again before next June 30.

Certain other powers of the act, such as control over coastal shipping by the War Shipping Administration, and authority to dispose of seized property, also are extended for six months, but the bill provides for the expiration on December 31 of the drastic authority in the law for the government to seize real property and to requisition materials for war purposes.

Provisions of the law authorizing the various agencies to collect industrial statistics essential to priorities actions and allocation of materials are continued until June 30 with recommendations to the respective appropriate legislative committees to give study to permanent legislation of this character.

Provisions of the first war powers act of 1941 relating to the vesting of enemy-owned patents and properties by the Alien Property Custodian were amended by the house December 3 to authorize the return of seized property to nationals of those countries which had been overrun by the enemy who can show that they never gave aid to the enemy. Under terms of the bill (H. R. 4571) the burden of proof to show that the claimant was a friendly alien and entitled to the return of his vested property is placed upon the claimant himself.

Int'l Minerals Buys Fla. Phosphate Deposit

Negotiations have been completed for the purchase by International Minerals and Chemical Corporation of a phosphate rock deposit near Bartow, Fla., which will be developed into the largest and most modern phosphate mining operation in the United States, according to a statement by Louis Ware, president of the corporation.

The property is being purchased from an organization known as W. H. Stuart, trustee, of Bartow, Fla., and approximately 2,000 acres of land are involved in the deal. This acquisition will increase International's output of phosphates to meet the growing demand for domestic and export needs, according to Mr. Ware.

Drug Research Foundation Organized

Formation of a drug research foundation to study the therapeutic and pharmacological effects of medicinal drugs was announced today following a meeting of more than 50 manufacturers of packaged medicines and chemicals and by importers of botanical drugs in the Hotel Biltmore.

The foundation will be an independent organization, according to Dr. Frederick J. Cullen, executive vice-president of the Proprietary Association of America. It will be financed by manufacturers and importers, whether or not they are members of the association, said Dr. Cullen.

Lupton Patten, president of the Chattanooga Medicine Company, was named chairman of the foundation's organizing committee.

Joins W. R. Grace & Co.

J. Albert Woods has been elected a vice-president of W. R. Grace & Co., New York. Mr. Woods, was until recently, president of Chilean Nitrate Sales Corporation, New York.

Sulphaiodines Discussed By Proprietary Ass'n

A new series of compounds known as sulphaiodines, which combine the most useful features of sulphonamides and iodine for the treatment of wounds, were described December 5 at the semi-annual meeting of the scientific section of the Proprietary Association of America by their originator, Dr. Paul Goedrich, research scientist of the Rutgers University College of Pharmacy, Newark, N. J. In addition to the paper on sulphaiodines, eleven other papers were presented at the meeting held at the Biltmore Hotel, New York. These included reports on streptomycin and tyrothricin.

Chemical combination of sulphonamides with a relatively small proportion of iodine, said Dr. Goedrich, gives these compounds the enormous advantage of non-selectivity in their attack on bacteria. Unlike the better-known sulfa drugs and penicillin, Dr. Goedrich pointed out, "no pathogenic organism has yet been encountered which resists the antibacterial action, *in vitro*, of the sulphaiodines." There is an additional advantage in that the sulphaiodines are not inhibited by blood, serum of para-aminobenzoic acid as are other sulfa compounds and pencillin.

—*Continued on page 48*

Rubber Reserve Discontinues Alcohol-Butadiene Process

OPD Washington Bureau

Discontinuance of the use of alcohol, in favor of petroleum, as the base for the manufacture of butadiene for synthetic rubber production in the Government's program was disclosed this week by G. H. Hadlock, associate director of the Office of Rubber Reserve of the Reconstruction Finance Corporation. Wide differences in cost were given as the reason for the switch.

Questioned on reports of the closing down of the three big butadiene-from-alcohol plants of the Carbide & Carbon Chemicals Corporation and the Koppers Company, Mr. Hadlock said that the plants had been ordered placed in a standby condition on a directive from the Office of Reconversion "telling us to run synthetic rubber production on an efficient and economical basis in the best interests of the government."

He disclosed that orders also had been issued thirty days ago suspending operations of three of the higher-cost butadiene-from-petroleum plants of the Humble Oil & Refining Company, Ingleside, Texas, the Lion Oil Refining Company, El Dorado, Ark., and the Taylor Refining Company, Corpus Christi, Texas. These three plants, whose facilities had been converted to butadiene production early in the synthetic rubber program at a cost of about $8,300,000, contributed only about 13,000 tons of butadiene to the program.

The three butadiene-from-alcohol plants being placed in a standby condition are the two plants of the Carbide & Carbon Chemicals Corporation, one at Institute, W. Va., costing $29,000,000 and having an annual capacity of 80,000 tons, and one at Louisville, Ky., costing $25,500,000 and having a capacity of 50,000 tons, and the Koppers Company plant at Kobuta, costing $42,500,000 and having a capacity of 80,000 tons.

In addition the production of styrene from alcohol at Kobuta and Institute also has been suspended, but the plants at Institute and Louisville which actually produce synthetic rubber will continue in operation indefinitely.

Mr. Hadlock stated that butadiene from alcohol was costing the government approximately 40 cents a pound, compared with a cost when produced from petroleum of from 8 cents to 10 cents a pound.

T.G.A. Scientific Group Holds Meeting

The results of research activities carried out by the scientific session of the Toilet Goods Association were discussed at a meeting in the Hotel Biltmore, New York, December 6. Approximately 300 guests and members were in attendance. Dr. K. L. Russell, of Colgate-Palmolive-Peet Company, is chairman of the section.

Dr. James Hiller, research engineer of R.C.A. Laboratories, in discussing the electron microscope, said that the problem of improving the resolving power of the light microscope appeared to be incapable of solution. The search had been restricted to the realm of optics but the actual solution lay in the field of electronics.

M. G. deNavarre, of Maison G. deNavarre Associates, in discussing the effect of polyols on emulsions, said that the polyols of commerce namely, glycerin, propyleneglycol and sorbitol syrup, while possessing humectant and plasticizing properties, replace each other only to a limited extent. A formula balanced with one polyol may be completely unsalable when substitution with another polyol is made.

Ruth R. Bien, of Good Housekeeping Bureau Laboratory, reported on experiments undertaken to establish the effect of low pH creams on fabric and to develop standard methods for determining fabric damage.

R. Paul Schreiber, senior chemist for the Research and Development Branch Military Planning Division of the Office of the Quartermaster General, discussed the development of "paint, face, camouflage" cream for protection against flashburn, anti-chap lipsticks and anti-sunburn cream. He discussed in detail the particular "military characteristics" desirable in each product.

Orville Davenport, chemist, of Allied Products, Inc., discussed "A Method and Apparatus for Testing Lipstick Yield"; Dr. Herbert Heinrich, Director of Research, of Kolmar Laboratories, made an address on "Forecasting Consumer Reaction"; Dr. Erwin Di Cyan, Director of Di Cyan & Brown, discussed "Pharmacology of Cosmetics."

Czech Products Marking Rule Made

OPD Washington Bureau

Importers were advised by the Treasury Department, December 5, that all articles manufactured or produced in Czechoslovakia after May 8, 1945 (V-E Day), must bear markings to indicate Czechoslovakia as the country of origin. Instructions were contained in T.D. 51360.

The department said that it had been advised by the State Department that the boundaries of Czechoslovakia have been reestablished as they existed in 1937 and that country has been recognized by the United States as an independent state. The mark must be shown on the articles if produced or manufactured in that country regardless of from what country they were exported.

CWS Chief Contemplates Collaboration with Industry

OPD Washington Bureau

Brig.-Gen. Alden H. Waitt. whose nomination was submitted November 13, was confirmed by the United States Senate, November 28 as chief of the Chemical Warfare Service with the rank of major-general in the regular Army of the United States. His tenure of the post is for a period of four years from the date of acceptance.

Continuance in the peacetime period of the close-working arrangements between the chemical industry and the War Department was promised by General Waitt, December 6, in his first public statement after taking over his new office November 29.

Paying high tribute to the contributions of the chemical industry in the war just ended, which, he said, has given "the American chemical industry a new importance in preserving the peace," General Waitt declared:—

The particular part that chemical industries and research facilities played in the war effort can not be over-emphasized. Had these two groups not cooperated to the utmost, it is possible that we could have been outstripped by the enemy in this field. Today, as national security plans highlight a joint scientific research and development program, the importance of continued military and civilian endeavor is obvious.

Advisory Board Functioning

The nucleus of the collaboration plans of the new CWS chief is the Chemical Warfare Advisory Board, which has been functioning, he disclosed, since last May to knit the military and civilian technical interests. The board is composed of a selected membership numbering more than 100 of the country's leading chemical consultants, physicists, agronomists, toxicologists, pharmaceutists, pathologists, engineers and manufacturers.

General Waitt also said that the Chemical Warfare Service plans to bring the best brains to bear on future chemical warfare problems by

—*Continued on page 46*

OITO Broadens List Of Positive Commodities

OPD Washington Bureau

The Office of International Trade Operations has announced, unless otherwise specified, the following commodities were added to the positive list of commodities:—

Radon, radium emanations; radium salts and compounds, and radium ore concentrates; thorium salts and compounds, including thorium nitrate and thorium oxide; actinium-bearing salts and compounds; chemicals containing artificial radioactive isotopes; polonium-bearing salts and compounds; paints containing radium; uranium metal and uranium ores and concentrates.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals and related materials is currently as follows:—

Dec. 6, 1945	Nov. 29, 1945	Dec. 8, 1944
134.6	134.4	132.6

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

The year spins toward its end in a welter of domestic labor excitements, business reconstruction problems, government surpluses, foreign political strifing, crippled facilities for international trading, and with dollar exchange the most eagerly sought for commodity abroad—next to food, perhaps.

Despite which, the general price index was up two notches last week and advancing prices for botanicals, and textile sizings and colorants in number and degree outweighed changes to lower levels. The market was not too engrossing, though remaining scarcities kept prices sensitive regardless of the blanket of inactive demand with which the Christmas season already has overlaid the market. The sturdy character of REPORTER markets contrasts vividly with the international scene.

Late Markets

Coke By-Products

Estimates of byproduct cokeoven operations in the week ended November 30 indicate the following output of by-products from that source:—

Ammonia liquor NH_3		924,851
Ammonia sulphate	lbs.	23,448,764
Benzol	gals.	3,017,934
Coaltar	gals.	11,195,561
Creosote oil	gals.	623,057
Naphthalene	lbs.	1,479,761
Phenol	lbs.	175,235
Toluol	gals.	603,587
Xylol	gals.	136,294

Argentine Flaxseed Report

First official estimate of the Argentine flaxseed crop was indicated at 55,157,000 bushels for this season, compared with 30,984,000 bushels, the final crop in 1945, and 61,930,000 bushels in 1944.

Flaxseed Receipts

Arrivals of flaxseed amounted to 122,000 bushels at New York from the Northwest during the week ended December 7.

CPA to Close Field Offices Dec. 31

OPD Washington Bureau

The Civilian Production Administration has announced that all its field offices will be closed on or before December 31, 1945. After December 7 all applications for priorities assistance under Priorities Regulation 28, heretofore handled in the field offices, must be forwarded to its headquarters in Washington for handling, OPA said.

Jute Goods Allocation Revocation Asked

OPD Washington Bureau

Recommendation of the termination of the allocation on jute goods was made to the raw materials board by the Burlap Importing and Bag Manufacturing Industry Advisory Committee last week. The recommendation is based on the opinion that India now appears to be in a position to meet the world's needs for burlap and other jute products.

Wallace Names Paul International Trade Head

Secretary of Commerce Henry A. Wallace has announced the appointment of Arthur Paul, director of the Office of International Trade Operations in the Department of Commerce, as an assistant to the Secretary, with responsibility for providing general direction over all international trade activities of the department.

War Contracts Inventories Pricing Set

OPD Washington Bureau

Sales of commodities left over after the termination of war contracts can be made at acquisition cost by the government or by contractors on behalf of the government only when prospective buyers have been given notice of such acquisition cost, the Office of Price Administration has announced.

This action, effective December 3, 1945, puts use of the most common method of pricing war contract termination inventories on a conditional basis, whereas previously it could be used without restriction.

The modification has been made because many buyers were bidding only up to the limits provided by the other optional method of pricing (use of the existing maximum prices for the particular commodities being sold) not knowing of the acquisition cost method, which frequently provides higher ceilngs.

At the same time, OPA made it clear that under one optional method of establishing ceiling prices on war surplus goods generally, namely, by a certification of the buyer that the price paid is not in excess of the ceilings normally applicable on his purchases, no price may be certified on surplus new lumber that is above recently established dollar-and-cent ceilings for such lumber.

Duggan Gets RFC Medical Section Post

OPD Washington Bureau

John H. Duggan, formerly with the War Production Board and later with the Office of Surplus Property Administration, has been named chief of the Surgical and Medical Section of the Consumers Goods Division of the Reconstruction Finance Corporation.

Mr. Duggan is an industry man, having spent about thirty years in the field of surgical and drug supplies before joining the War Production Board early in its existence to handle contrpl programs affecting hospital equipment. His private industry connection immediately before joining WPB was with the J. F. Hartz Company, Toronto, Can.

Philip Carey Plans Plant Expansion

The Philip Carey Manufacturing Company, Lockland, Cincinnati, plans an expenditure of $5,000,000 for plant modernization and expansion. The overall program, which was approved by the board of directors of the company for immediate action, will affect five Carey locations in the United States and Canada. Plants included in the program are those at Lockland, Cincinnati, Ohio; Middletown, Ohio; Perth Amboy, N. J.; Plymouth Meeting, Pa.; and Lennoxville, P. Q., Canada.

Benger Get du Pont Technical Rayon Post

Dr. Ernest B. Benger, general assistant manager of the technical division of the Rayon Department of the E. I. duPont de Nemours & Co., has been appointed manager of the division, succeeding M. duPont Lee, who was recently named general consultant in the Engineering Department, the company announced today. A. E. Buchanan, jr., continues in his present capacity as assistant manager of the Technical Division.

Scientific Poster to Aid Reconversion Work

The National Roster of Scientific and Specialized Personnel of the United States Employment Service of the Department of Labor, which placed 50,000 scientists and technical personnel in vital war jobs including the atomic bomb project, is now engaged in bringing up-to-date its inventory of the names of 400,000 scientists and technicians to help meet the nation's reconversion needs, Dr. George A. Works, director has announced.

Streptomycin Standards Made Available by FDA

OPD Washington Bureau

Minimum standards of identity, strength, quality, and purity for streptomycin, drawn up by the Food and Drug Administration in cooperation with the drug industry at the request and for the use of the War Department, were made available to interested parties this week by FDA.

Briefly the standards provide:—

1. The minimum potency of commercial streptomycin shall represent not less than the equivalent of 200 micrograms of streptomycin base per milligram of dry powder. The potency of crystalline streptomycin base has been established at 1000 micrograms per milligram.
2. It is sterile.
3. It is nonpyrogenic.
4. It is nontoxic.
5. Its moisture content is not more than 3 percent.
6. It should cause no greater fall in blood pressure when injected intravenously into cats on the basis of 300 mcg./kg. than the equivalent of 0/1 mcg./kg. of histamine base.
7. It conforms to the bacterial spectrum (Waksman) produced by the streptomycin working standard.
8. It forms a clear solution with pH of 6.0-7.5 when the dry streptomycin is reconstituted with sterile, pyrogen-free, distilled water in a concentration of 10,000 micrograms per milliliter.

Riedel-de-Haen Sold For $695,750 to Ames

OPD Washington Bureau

The Alien Property Custodian announces acceptance of the bid of $695,750 from the Ames Company, Elkhart, Ind., for the outstanding common stock of the Riedel-de-Haen, Inc., which had been taken over by the custodian in August, 1942.

The concern, which was a subsidiary of a German pharmaceutical manufacturing firm, promoted and distributed pharmaceuticals under several trademark names, but engaged in no manufacturing operations in this country. The principal product it marketed was dihydrocholic acid under the tradenames of 'Dicholin' and 'Dicholin Sodium.'

Olney Medal to Be Awarded to Dr. Harris

Dr. Milton Harris, director of research for the Milton Harris Associates, Washington, D. C., has been awarded the Olney Medal by the American Association of Textile Chemists and Colorists, at the annual meeting to be held in the Hotel Pennsylvania, New York, January 5.

The medal is awarded annually by the association for outstanding achievement in the field of textile chemistry. Dr. Harris and his associates developed a process for rendering wool fabrics resistant to shrinking and wear; and did considerable research to determine the most suitable materials and structures of clothing for use in various climates.

Oregon Alcohol Plant Construction Resuming

The Willamette Valley Wood Chemical Company will resume construction of its alcohol plant at Springfield, Ore., in the near future as the result of action by the Reconstruction Finance Corporation in making $450,000 available for its resumption. Construction was halted by the government shortly after the end of the war with Japan. The plant was designed to utilize wood wastes in making ethyl alcohol for war purposes.

Liquid Fuels Research Building Award Made

OPD Washington Bureau

Secretary of the Interior Harold L. Ickes has announced the award of a $995,000 contract to the Navarro Corporation, Pittsburgh, Pa., for general construction work to complete the major buildings of the new Bureau of Mines synthetic liquid fuels research and development laboratory near Bruceton, Pa.

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DDT Price Controls Suspended Indefinitely

OPA is preparing to suspend price controls on most DDT mixtures indefinitely, it is learned. The suspensions, it is understood, would apply to DDT as such and to all DDT mixtures except those containing nicotine sulphate, pyrethrum or rotenone.

Sugar Quotas Hold At 110% Base Period

Sugar quotas for manufacturers of pharmaceuticals have been continued at 110 percent of the base period for the first quarter of 1946 by the OPA. Officials predicted that a temporary tight supply situation will be experienced in the east during part of the quarter.

Washington Talks It Over

Observations • Prognostications • Developments

By OPD Observer

The State Department is inviting manufacturers with production bottlenecks growing out of lack of equipment to make their desires known to the CPA so that they can get some of the German production equipment which will be due the United States as part of the German reparations. There are indications, however, that this policy isn't being favorably received in other quarters of the government.

The controversy that is developing revolves around the question whether the equipment should be brought back for production purposes or for research purposes. The fact that bottlenecks exist in production now, it is argued, is purely a temporary situation that will correct itself in time. To bring in German equipment to break these bottlenecks will, in the long run, be injurious to the companies who make equipment since it narrows their future markets. This in turn will accentuate the problem of unemployment.

Just how much German industrial equipment the United States will fall heir to under the reparations plans is problematical. Prospects are that it will not amount to any tremendous volume since we stand third on the list to get it. But there undoubtedly is a considerable amount of equipment that would be interesting subjects for further research work to be done on here, and efforts are being made to move this out of Germany as quickly as possible.

Copra Industry Bottleneck

The problem of reestablishing the copra industry in the Philippines has not moved forward nearly as fast as was first anticipated following our recapture of the islands. Officials now don't look for more than 5,000 tons to reach the United States by the end of this year. Indications are that it won't be until the latter half of next year that copra exports will reach the 200,000-ton volume.

The question of transportation and warehousing represent the major difficulties at the present time. Sufficient bags have been made available to ship the copra, but trucks, iron sheeting for warehouses and ships still are the big bottlenecks to a rapid increase in exports. There is no question about the supply of copra. Surveys shows that the coconut palms came through the war substantially intact; the loss suffered being not more than 5 percent.

Phosphorus Surplus Gone

At least one of the big headaches left over from the war has been satisfactorily cleared up. It was what was to be done with the huge surplus of white phosphorus. The government fell heir to about 33,000,000 pounds of the stuff—about a half-year's supply in normal times—when the nips tossed in the towel and called it quits.

Surplus property officials are proud to say that every pound of this phosphorus has now been got rid of—and at a very good price. Eight companies in all have taken over the supply at about the market price. The buyers were Westvaco Chlorine Products, Virginia-Carolina Chemical, American Agricultural Chemical, Victor Chemical, Monsanto Chemical, General Phosphorus, New York Match, and Oldbury Electro-Chemical.

Molasses Plans Sour

Government plans to continue the purchases of blackstrap molasses and alcohol from Cuba aren't sitting well with Midwest congressmen, who are bringing quite a bit of pressure to bear on Secretary Anderson to have the Department of Agriculture eliminate these two items from its purchase programs of the future and limit negotiations with the Cubans to the purchase of sugar alone.

In the background of the arguments is the future of the big grain alcohol plants built to supply the wartime alcohol deficiency. These plants are now practically out of business, and the government thus far hasn't said what is to be done about them. While there is a lot of talk about power-alcohol, nothing definitely has begun along this line yet.

If the Midwesterners can block the government purchases of Cuban molasses and alcohol, they feel that the future of the grain alcohol plants will be made more hopeful, to say the least. In view of the present shortage of molasses, its price is almost certain to skyrocket if left to the competitive bidding of private business.

Health Care by States

Insurance executives are becoming active participants in the fight against President Truman's compulsory health insurance program and are starting a backfire of propaganda in favor of state, rather than Federal, legislation to deal with the health program.

They are approaching the issue of compulsory insurance for health in much the same manner that they fought compulsory automobile liability insurance back in 1927. At that time Massachusetts passed a very strict compulsory law. The insurance executives prevailed upon the other states to enact safety responsibility laws—not compulsory—but which imposed severe penalties upon automobile owners for failure to buy insurance protection or offer their financial security.

The State health programs being discussed would allow credit where voluntary plans are adopted. The bill being sponsored is along the lines of the bill introduced in the New Hampshire legislature earlier this year. The insurance executives, in opposing Federal compulsory health legislation, recognize that mere opposition is a negative approach and that if they expect to succeed they must offer some positive measure.

Expense Accounts Reports

A much-welcomed statement affecting the returns of information which employers must make concerning payments to employees was issued a few days ago by the Commissioner of Internal Revenue. In Treasury Decision 5480, issued in September, there appeared a requirement that employers, in reporting compensation of $500 or more, must indicate advances or reimbursements made employees for traveling or other expenses. This led to a storm of protests concerning the costs and annoyances which would be involved.

The new statement explains that the advances or reimbursements contemplated by the decision are those which are made by the employer without requiring an accounting by the employee to the employer that the expenses are ordinary and necessary expenses incurred in the business of the employer. This narrows the field of reporting considerably. The bureau will consider that the employer has complied with the provisions of the decision, if the advances or reimbursements reported on form 1099 are confined to the above.

Tax-Exemption Data

The recent report of the Bureau of Internal Revenue on the financial affairs of cooperatives, labor unions, and other tax-exempt organizations has aroused more interest among business associations than any publication of the government in recent months. BIR has been literally flooded with requests for copies of the report and any future statements made along these lines by the Treasury officials.

Business organizations view the information in the report as a powerful weapon for revision of the tax laws so that all competitors are treated alike by the tax collector. Usefulness of the mass of statistical data gathered by BIR and summarized in the report can be in three directions. One is with respect to the desirability of statutory provision for adequate annual reports from tax-exempt groups. The second is in plugging loopholes through which proper taxation may be evaded. The third has to do with con-

—Continued on page 71

Ammonia Sulphate Offered from Oregon

OPD Washington Bureau

The Reconstruction Finance Corporation has agreed to make available to agricultural interests in the Pacific Northwest for fertilizer use such excess supplies of ammonia sulphate as might be produced during the testing of facilities recently installed in the plant of the Columbia Metals Corporation soon to begin production of alumina from clay at Salem, Ore.

Officials said that they had agreed to make the sulphate available at the ceiling prices. This will be slightly below the cost of production at the plant. But, because a test run of the sulphate of ammonia production facilities has to be made and because of the shortage of this material for fertilizer use on the West coast, it was agreed to make the material available for a temporary period.

The plant that has been built for production of alumina from clay is expected to begin operations early in January, and supplies of sulphate of ammonia will be available to the trade only until that time, and then only in such amounts as would be in excess of needs for building up a stockpile for the time when the alumina production facilities come into operation. It is expected that when the alumina production facilities get into full operation all the available supplies of sulphate of ammonia produced at the plant will be used in this production. Officials said they could give no estimate now of the amount of sulphate that will be available for fertilizer use, but it will be available only until the alumina facilities begin operations.

Flaxseed Acreage Goal Up Slightly for 1946

OPD Washington Bureau

A flaxseed acreage goal slightly in excess of that harvested this year has been recommended for 1946 by Secretary of Agriculture Clinton Anderson. The acreage suggested is 4,200,000 which compares with 4,149,000 acres this year and 2,307,000 acres for the average of 1937-41.

Mr. Anderson said that this domestic supply, together with expected imports, should provide for increased use of drying oils.

While immediate requirements for soybeans for oil may continue high, the recommended goal calls for a 10 percent downward adjustment, recognizing the need to shift toward a better balance between intertilled crops, small grains, legumes, and grasses, and the prospects of additional supplies from world sources by 1947 when the 1946 domestic crop will largely be crushed. The 1946 soybean acreage goal was suggested at 9,500,000 acres, which compares with 10,596,000 acres in 1945.

Suggested goals for some of the other crops are:—

Peanuts, grown alone, 3,250,000 acres, compared with 3,953,000 acres; peanuts, picked and threshed, 2,500,000 acres, compared with 3,238,000 acres; milk, 120,500,000 pounds, compared with 123,000,000 pounds; eggs, 3,910,000 dozen, compared with 4,577,000 dozen.

The suggested goals will be considered later this month at State meetings of representatives of Department of Agriculture agencies making up the State USDA Council, and representatives of State agricultural colleges, farm organizations, and other interested groups. Final goals will be announced around the first of the year.

Naval Stores 1946 Plan For Conservation Set

OPD Washington Bureau

The 1946 Naval Stores Conservation Program was approved December 7 by the Department of Agriculture, with the requirements modified to fit anticipated funds. The 1946 program will cost an estimated $900,000.

Among the major changes in the 1946 participating requirements are:—(1) payment for each working face is reduced from 1¼ cents to 1 cent; (2) provision has been made for the furnishing of materials and services by the Forest Service, the cost of which will be deducted from the earned payment of the producers; (3) a plan for handling appeals has been provided; (4) additional deductions have been provided for failure to fully meet fire and timber cutting requirements.

Chemical Workers Show Decline

Employment in factories engaged in the manufacture of chemicals and related products in the United States noted an 18.1 percent decline from August to September, according to the Bureau of Labor Statistics. At the end of the monthly period employment was 29.5 percent below the corresponding level of 1944. Payrolls showed a decrease of 17.8 percent from August to September, and stood 28.6 percent below corresponding level for 1944.

The Bureau of Labor Statistics index numbers for factory employment in the chemical group of industry for September was 155.6 (100 equals 1939 average), compared with 190.0 for August and 205.7 for September, last year. For payroll totals the index number was 267.6 (same basis), compared with 325.7 for August and 361.0 for September, last year.

Employment in the chemical group of industries was 26.1 percent above the average of all industries. Payroll totals were 24.0 percent above the general average for industries.

Data compiled by the Bureau of Labor Statistics for basic non-manufacturing industries related to the chemical industries afforded the following comparisons on the basis of the 1939 average:—

	Employment		
	Sept., 1945	Aug., 1945	Sept., 1944
Quarrying and nonmetallic mining..	82.5	81.7	84.4
Crude petroleum production	83.6	84.2	83.0
	Payroll totals		
	Sept., 1945	Aug., 1945	Sept., 1944
Quarrying and nonmetallic mining..	159.2	155.3	158.9
Crude petroleum production	137.5	137.9	135.4

Detailed Comparisons

Employment

(100=1939 average)

	Sept., 1945	Aug., 1945	Sept., 1944
Chemicals	155.6	190.0	205.7
Cottonseed oil.....	95.4	75.6	107.5
Drugs, medicines, insecticides	171.2	181.1	178.8
Explosives and safety fuses.....	505.9	1,105.4	1,151.9
Fertilizers	111.0	106.2	101.7
Paint, varnishes and colors	105.9	103.0	104.9
Petroleum refining.	119.4	127.5	124.6
Rayon and allied products	110.6	110.0	109.2
Soap	97.6	95.6	99.1

Payroll Totals

(100=1939 average)

	Sept., 1945	Aug., 1945	Sept., 1944
Chemicals	267.6	325.7	361.0
Cottonseed oil.....	199.7	144.1	220.9
Drugs, medicines and insecticides	265.0	270.7	265.0
Explosives and safety fuses	759.3	1,607.4	1,781.6
Fertilizers	202.1	241.8	282.3
Paint, varnishes and colors	168.1	163.0	166.0
Petroleum refining.	200.6	224.3	213.3
Rayon and allied products	177.2	181.6	176.1
Soap	170.2	160.3	171.3

RFC Surplus Chemicals Offered

OPD Washington Bureau

The Office of Surplus Property of the Reconstruction Finance Corporation has the following chemicals for sale for which it will receive offers from prospective bidders at the respective regional offices until December 21:—

Potassium sulphate, 154,250 pounds, grade A, purity 99 percent, Birmingham, Ala.

Soda ash, 125,000 pounds, 58 percent, light, Birmingham.

Dinitrotoluene, 1,269,125 pounds, packed in fiber drums, Richmond, Va., declaration No. 233797.

Methanol, 569,704 gallons, Richmond declaration No. 233590.

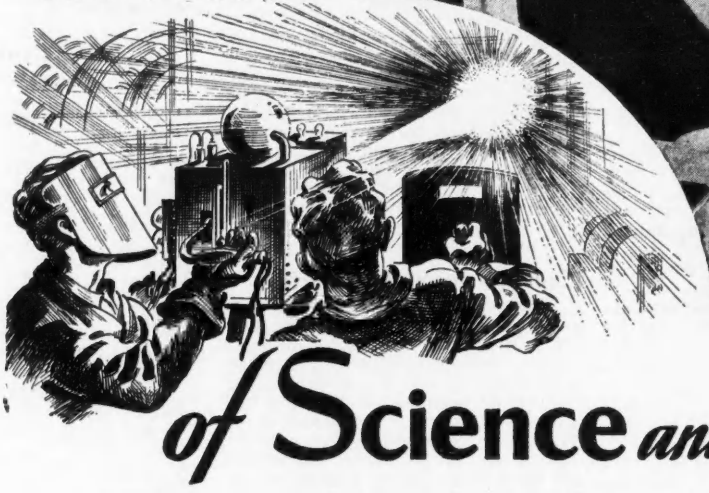
Koloxoline, 539,640 pounds, 8-10 second viscosity, Philadelphia declaration No. 235684.

Combined Raw Materials Board to Be Dissolved

OPD Washington Bureau

The Combined Raw Materials Board, established jointly by the United States and Great Britain in August, 1942, to expand and provide for equitable distribution of scarce materials, is to be dissolved and this work to be carried on under some substitute plan to be announced by the White House in a week or ten days, it was learned December 7. Details of the new plan are not available at this time.

Ever abreast



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Day after day . . . month after month . . . year after year . . . NYQ is constantly carrying on research to assure its customers that products carrying the NYQ label will be of the highest possible quality. The manufacturing of NYQ products is kept under continual control from the time the raw materials enter our plant until they are delivered to customers as finished substances. That is why you can have complete confidence in products packed under the NYQ label.

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2-Amino-8-hydroxyquinolin Salicylate

Disinfectant—Claimed (U.S. 2121-449) as bactericide.

Pharmaceutical—Claimed (U.S. 2121-449) as agent for treating arthritis.

Betachloroethyl Para-amino-benzoate

Pharmaceutical—Intermediate (U.S. 2251996) in making anesthetics, anesthetic bases.

Ethyleneglycol Oleate-Stearate

Chemical—Starting point (U.S. 2136-379) in making, with aid of sulphuric acid and an alkali salt, scouring, washing, and wetting agents.

1-Hydroxycyclohexyl Hydroperoxide-1

Chemical—New organic, cycloalkanyl peroxide in white crystalline solid form (U.S. 2176407, 2223807 and 2298-405) that is extremely stable at room temperature; possesses 12.13 percent of active oxygen; has a molecular weight of 132 and a melting point of 76°-78° C.; explodes only mildly when heated over a flame on a steel spatula; and is soluble in organic solvents, insoluble in water.

Suggested for use as bleaching agent, catalyst in polymerizations, mild oxidizing agent.

Cosmetic—Suggested for use as bleaching agent, mild oxidizing agent, source of active oxygen in creams, lotions, pomades, and other cosmetic forms.

Paint, Varnish, and Lacquer—Suggested for use as drying accelerator in paints, oils, and varnishes.

Resins—Suggested as catalytic agent in polymerizations.

Rubber—Suggested as catalytic agent in polymerizations.

Sodium Orthoethylmercuri-mercaptobenzoate

(Merthiolate)

Pharmaceutical—Suggested for use as antiseptic and skin sterilizer (preparatory to surgical operations).

Teaseed Oil, Blown

Textile—Softening agent (Brit. 541-749) for cotton, rayon, wool.

Lubricant (Brit. 541749) for cotton, rayon, wool.

Ingredient (Brit. 541749) of softening and lubricating emulsions for cotton, rayon, and wool or mixtures thereof, containing also unblown (alkyl) esters of a monohydric alcohol with a fatty or naphthenic acid of not less than 8 carbon atoms.

Consulting Chemists Elect Baldwin Executive Sec'y

Robert T. Baldwin has been appointed executive secretary and assistant treasurer of the Association of Consulting Chemists and Chemical Engineers. A. B. Bowers has been appointed assistant executive secretary.

Honored at Dinner

William O. Buettner, head of W. Buettner Company, Brooklyn, was honored at a testimonial dinner in the Hotel New Yorker, December 3, by the National Pest Control Association, of which he is president.

Monsanto Alkalation Unit Damaged by Fire

Following a fire, December 3, which caused an estimated $500,000 damage to the alkalation unit of the government-owned styrene plant which Monsanto Chemical Company, St. Louis, operates at Texas City, Tex., officials of the company have announced efforts are being made to resume production at the earliest possible moment.

Osborne Bezanson, vice-president and general manager of the company's Organic Chemicals Division, said that pending reconstruction of the damaged alkalation unit arrangements are being made to obtain crude ethyl benzene from other styrene producers.

The plant is one of the two largest in the country devoted to the manufacture of styrene, an essential material in synthetic rubber, and was the first major unit to go into production after Pearl Harbor.

The fire wrecked the alkalation unit, leaving undamaged the 22-story distillation tower, as well as other nearby installations.

Chemical Market Research Ass'n to Meet

The Chemical Market Research Association will hold a meeting in the Cleveland Hotel, Cleveland, Ohio, December 13. Discussion at the meeting will be concerned with the future of the chemical industry. Program for the meeting follows:

"The Chemical Future of the Cleveland Area"—John W. Love, of the Cleveland Press.

"Future Chemical Needs of the Protective Coating Industry"—Dr. R. F. Ruthruff, of the Sherwin-Williams Company.

"Future Chemical Needs of the Rubber Industry"—Merle J. DeFrance, of the Goodyear Tire & Rubber Company.

"Future Chemical Needs of the Plastics Industry"—S. L. Brous, of the G. F. Goodrich Chemical Company.

"Chemical Futures"—Dr. Carl F. Prutton, Case School of Applied Science.

Insecticide, Disinfectant Makers Discuss Marketing Problems

A review of research projects, together with the discussion of raw materials supplies and the outlook for business constituted the focal points of interest at the thirty-second annual meeting of the National Association of Insecticide and Disinfectant Manufacturers held in the Hotel Commodore, New York, December 3 and 4. N. J. Gothard of the Sinclair Refining Company, East Chicago, Indiana, was elected president, succeeding Henry A. Nelson of the Chemical Supply Company, Cleveland, Ohio. The mid-year meeting will be held in French Licks Spring, Ind., in June.

N. J. Gothard

In discussing the outlook for business Henry A. Nelson, of the Chemical Supply Company, Cleveland, in his address as president of the association said, in part:—

There is every reason for "little business" to be optimistic, provided we as individuals have the will to succeed. The majority of new industrial plants, erected during the war, have maintained a high degree of sanitation. Others had to follow suit in order to retain their working forces—and unions will not permit unsanitary conditions in plants today. New schools will be built; hospitals everywhere are contemplating new additions to their buildings; institutions of all kinds are overcrowded and are clamoring for larger quarters. All this means increased markets for the products of our industry.

Favors Products Exhibit

H. W. Hamilton, of the White Tar Division of the Koppers Company, in his report as secretary of the association, discussed the various activities carried out by his office during the year, touching on the many protests of research, legislation and publicity.

—Continued on page 45

McInnis Nominated S.A.A.C.I. President

James J. McInnis, jr., of Commercial Solvents Corporation has been nominated for presidency of the Salesmen's Association of the American Chemical Industry. Mr. McInnis has been serving as vice-president. He has been named to succeed Charles F. Alexander of L. Sonneborn, Inc. Other officers nominated:—

James J. McInnis, jr.

Vice-president, James E. Ferris of the Niagara Alkali Company; treasurer, J. Robert Fisher, of Fisher Chemical Co.; secretary, William C. Harmon, of the Calco Chemical Division, American Cyanamid Company; Paul W. Hiller of Innis Speiden & Company, and Robert B. Magnus of Magnus, Mabee and Reynard Company, have been nominated for the executive committee.

S.O.C.M.A. Annual Meeting December 11

The Synthetic Organic Chemical Manufacturers Association will hold its annual meeting in the Biltmore Hotel, December 11. The meeting will receive the various reports of the officers and committees. Officers and directors will be elected for the ensuing year. There will be a social hour starting at 6:00 p.m. followed by dinner at 7:00 p.m.

Goodrich Chemical To Acquire Hycar

B. F. Goodrich Chemical Company, Cleveland, has acquired the Hycar Chemical Company, Akron, Ohio, largest private producer of nitril type oil resistant synthetic rubber. During the war the company was owned and operated by the B. F. Goodrich Company and the Phillips Petroleum Company.

German Pesticide Work Told in U.S. Reports

OPD Washington Bureau

Two organic fungicides, two new organic rodenticides, as well as a new nontoxic organic compound for testing the germination of seed, which may prove of value in the United States, have been uncovered by a United States investigator of the Elberfeld and Leverkusen plants of the I. G. Farbenindustrie, the Office of the Publication Board reports.

A detailed summary of the findings of the United States investigator, Dr. Stanley A. Hall, attached to the Medical Intelligence Branch, Office of the Chief Surgeon, is contained in report No. 252, available in mimeographed form at 25 cents per copy from OPB. The title of this forty-eight-page report is "Insecticides, Insect Repellents, Rodenticides, and Fungicides of I. G. Farbenindustrie A. G., Elberfeld and Leverkusen, Germany." The report includes structural formulas and other details on two organic fungicides, one of which is useful in combating fungous diseases of oats and rye and is said to be completely effective as a seed disinfectant. Details concerning two rodenticides developed at Elberfeld also are included. The nontoxic reagent for germination tests is called

—Continued on page 45

Entomologists Elect

The Eastern Branch of the American Association of Entomologists has elected Dr. H. F. Dietz of Wilmington, Del., as the new chairman. Dr. B. F. Driggers continues as secretary-treasurer.

British Exports of Chemical Materials and Products: 1938-44

	1938.	1942.	1943.	1944.
Acids, n.e.s.....value.	£281,617	£270,676	£306,588	£365,514
Aluminum compounds..tons.	28,322	17,164	16,749	19,925
Ammonium compounds, n.e.s., tons.	22 688	27,527	14,796	25,859
sulphate .....tons.	313,393	39,174	6,149	133,078
Benzol .....gals.	48.840	858	28,016,342	32,861,015
Bleaching powder.....cwt.	566,718	231,518	224,557	441.642
Carbon black.....cwt.	10,922	2,232	3.692	4.490
Citric acid.....cwt.	31,167	3,255	8.455	17,833
Coaltar dyes-alizarin, alizarin red, indigo.....cwt.	8,877	8,839	6,997	6,289
other sorts.....cwt.	70,754	94.855	180.755	86.725
products, n.e.s.....value.	£174,335	£98,840	£282,996	£269,010
Copper sulphate.....tons.	30,907	24,761	35.542	20,333
Cresylic acid.....gals.	1,961,652	1,782,679	2,725,983	1,834,013
Disinfectants, insecticides, weedkillers, cattle dips, not including tobacco waste or nicotine preparations..cwt.	377,504	317,756	431,863	308,521
Drugs and medicinal preparations, n.e.s.....value.	£1,750,600	£2,367,302	£2,615,139	£3,255,375
Fertilizers, n.e.s.....tons.	146.360	616	213	154
Glycerin .....cwt.	105,576	22,501	2,112	8,452
Lead compounds.....cwt.	169,919	62,782	43,453	53,019
Lithopone and other pigments or mixtures....cwt.	139,351	123,855	154.394	128 114
Magnesium compounds.tons.	4,960	4.329	2.759	2,896
Ochers, iron oxide, and other earth colors.....cwt.	126,458	57,403	35,355	39,321
Paints and enamels, prepared .....cwt.	457,363	222.896	160,689	180,699
Pigments and extenders, dry, n.e.s. .....cwt.	80,536	72,307	78,264	70,796
Potassium compounds...cwt.	58,543	25,156	19,791	21,423
Printing inks.....cwt.	49,662	28,195	15,187	16,799
Proprietary medicines, ne.s. value.	£1,375,258	£1,179.698	£1,217,790	£1,461,712
Quinine and its salts...ozs.	1,581,119	1,598,114	1,387.217	284 201
Salt .....tons.	232,419	146,652	128,919	130,983
Ship's-bottom compositions, cwt.	33,875	29,461	32,987	28,550
Soda, caustic.....cwt.	1,948,424	3,081 351	3.311,543	2,837,800
Sodium carbonate.....cwt.	3,756,186	4,700,075	3,817,120	3,002,432
salts, n.e.s.....cwt.	556,291	51?,491	703,650	479,499
silicate .....cwt.	273,402	142.432	94 547	71,557
sulphate .....cwt.	596,273	978.089	345.079	513,684
Tanning extracts, solid and liquid .....cwt.	197,221	80,580	54,013	39,428
Tar oil, creosote oil, anthracene oil, and other heavy coaltar oils.....gals.	36,339,295	3,577,298	522.168	406.037
Varnishes and lacquers, clear, gals.	795 776	383,922	174,224	163,636
White lead.....cwt.	59,592	11,349	21,198	23,928
Zinc oxide.....tons.	14,444	1,921	1,044	1,250

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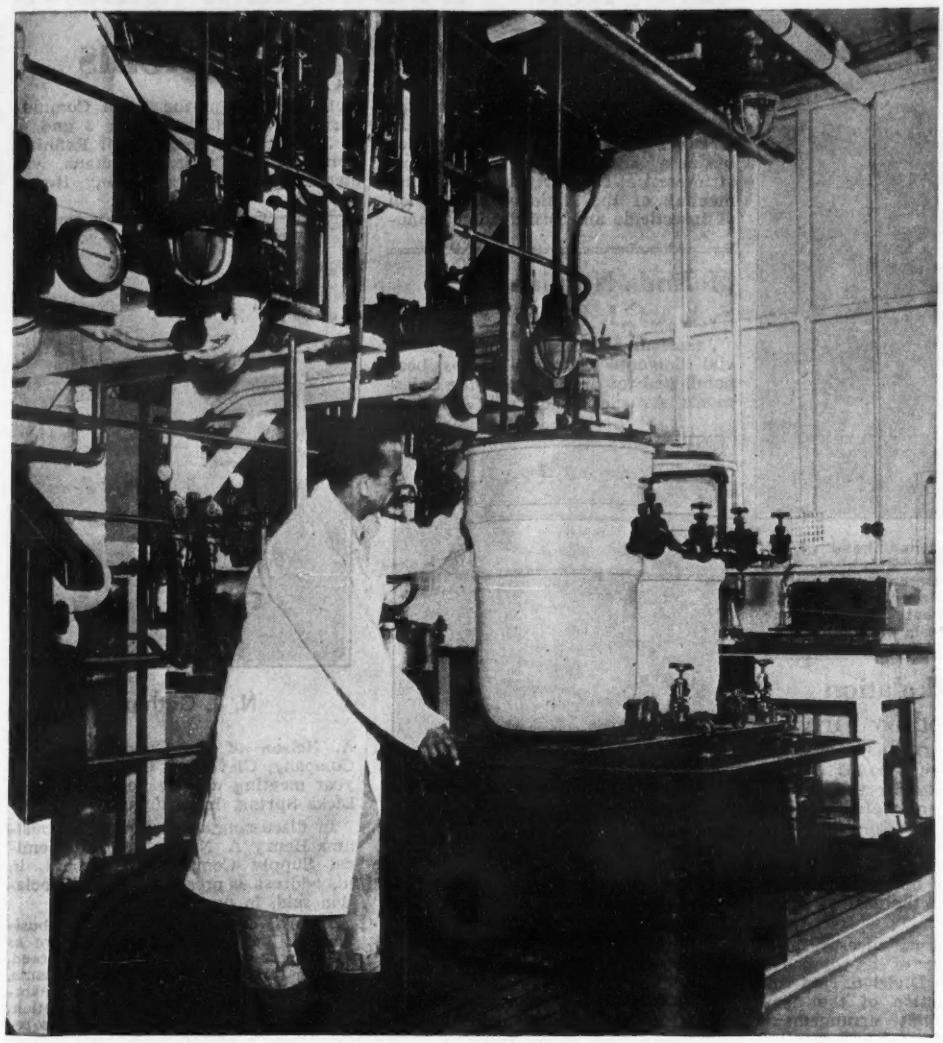

Final stage in the purification of penicillin—the removal of pyrogens by filtration of the penicillin concentrate.

A GLIMPSE AT THE RECORD

IN 1940 Merck research on antibiotics concentrated on Penicillin.

IN 1941 Merck brought about a reciprocal arrangement between British and American investigators to spur the production of Penicillin in co-operation with the United States and British governments.

IN 1942 Merck supplied Penicillin for the first case of bacteriemia successfully treated with this drug in the United States.

IN 1943 Merck sent shipments of Penicillin to England by air transport for urgent therapeutic use by the United States Army Medical Corps.

IN 1944 Merck was sending ever-increasing supplies of Penicillin to our Armed Forces.

AND NOW in 1945, Merck production of Penicillin has reached a point where, in addition to meeting military requirements, large quantities are being produced for civilian medical needs.

★ ★ ★

Penicillin Merck meets the recognized high standard of quality established for all Merck products. It is subjected to repeated tests and control procedures throughout every step of the production process, and the finished product is assayed, tested, and approved under rigid standards established by the Food and Drug Administration and by the Merck Analytical Laboratories.

★ ★ ★

PENICILLIN
MERCK
ACCEPTED AMERICAN MEDICAL ASSN
Council Accepted

Literature on request

MERCK & CO., Inc. *Manufacturing Chemists* **RAHWAY, N. J.**

In Canada: MERCK & CO., Ltd., Montreal and Toronto

Current Market Quotations Chemicals and Related Materials

December 7, 1945

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

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A

Acacia (see Gum, Arabic).
Acetaldehyde, 99%, dms., 55 gals., works..lb. .11 - —
5 and 10 gals., works....lb. .14 - —
Acetaldol (see Aldol).
Acetamide, CP, fib. dms., 5,000 lbs. a year, works..lb. .36 - —
smaller lots, works.....lb. .38 - .70
tech., fib. dms., 5,000 lbs. a year, works..lb. .28 - —
smaller lots, works.....lb. .30 - .50
Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls.....lb. .36 - .37
kgs. .....lb. .37 - .39
powd., bbls.....lb. .34 - .35
kgs. .....lb. .35 - .37
Acetic anhydride, dms., c.l., frt. alld..lb. .11½- —
l.c.l., frt. alld.....lb. .13 - —
Acetoacetanilide, bbls., dms...lb. .49 - .67
Acetone, CP,[1] dms., c.l., dlvd..lb. .07 - .08
l.c.l., dlvd.....lb. .07½- .08½
tanks, dlvd.....lb. .06 - .07
Methyl (see M).
Acetonitrile, dms., c.l., works..lb. .60 - —
l.c.l., works.....lb. .75 - —
5-gal. lots, works.....lb. .80 - —
less than 5-gal. lots, works..lb. .90 - —
Acetophenetidin, USP, bbls., kgs., 1,000-lb. lots..lb. 1.00 - —
dms. .....lb. 1.08 - 1.10
Acetophenone, cns., dms.....lb. 1.50 - 1.75
Acetyl chloride, cbys., works..lb. .60 - —
Acid, abietic, dms., c.l., wks..lb. .07½- —
Acetic,[1] com'l or redist., 28%, bbls..100 lbs. 3.38 - 3.63
50%, bbls.....100 lbs. 5.58 - 5.83
70%, bbls.....100 lbs. 6.68 - 6.93
80%, bbls.....100 lbs. 7.47 - 7.72
99.5%, bbls.....100 lbs. 9.15 - 9.40
glacial, nat., c.p., dms., works, 100 lbs.12.50 -13.25
99.5%, bbls.....100 lbs. 9.15 - 9.40
tanks .....100 lbs. 6.93 - 7.25
synth., tech., bbls., works, 100 lbs. 9.15 - 9.40
dms., works.....100 lbs. 9.25 - 9.75
tanks, works.....100 lbs. 6.93 - 7.25
USP, dms., works..100 lbs.10.50 -11.00
pure, 30%, bbls.....100 lbs. 4.41 - 4.69
36%, bbls.....100 lbs. 4.86 - 5.11
60%, bbls.....100 lbs. 7.60 - 7.85
80%, bbls.....100 lbs. 9.25 - 9.51
USP, 36%, cbys.....lb. .08 - .10

Acetic acid price ranges above are for c.l. and l.c.l. quantities. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride).

Acetylsalicylic,[1] special, USP, bbls., makers, primary distrib., point of shipm't, 100-lb.-lot.. .45 - —
smaller lots, same basis, lb. .46 - .59
standard USP, fine cryst., gran. (20-40 mesh), powd. (50 mesh), 200-lb. bbls., same basis..lb. .40 - .54

Freight equal'd, shipment identical quantity over standard routes, from N. Y. City, Phila., Midland, Mich., Chicago and St. Louis.

Adipic, fib. dms., works.....lb. .26½- —
Aminoacetic, USP (see Glycine).
Anthranilic, resub., bbls.....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kgs.....lb. .20 - .22
Ascorbic,[1] USP, dms., 500-kilo lots..kilo.24.50 - —
25-99 kilo lots.....kilo.25.00 - —
10-kilo lots.....kilo.25.35 - —
5-kilo lots.....kilo.25.70 - —
bots., kilo lots.....kilo.26.41 - —
500 grams.....kilo.27.47 - —
Battery, cbys., c.l., E. works... 100 lbs. 1.60 - —
l.c.l., E. works.....100 lbs. 1.95 - 2.55
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,999 lbs.....lb. .44 - —
999 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. up....lb. .54 - —
1,000 to 3,999 lbs. up....lb. .55 - —
999 lbs. or less.....lb. .56 - .59
dms., 4,000 lbs. up.....lb. .55 - .56
1,000 to 3,999 lbs.....lb. .56 - .57
999 lbs. or less.....lb. .58 - .59
Betaoxynaphthoic, bbls., works. lb. .95 - —
Boric,[2] tech., 99.5% cryst. (same as prices for powder), gran., bgs., c.l., frt. alld.. ton.99.00 - —
ton lots, ex whse..ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld..ton.109.00 - —
ton lots, ex whse..ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton. 95.50 - —
powd., bgs., c.l., frt. alld.. ton.104.00 - —
ton lots, ex whse..ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld..ton.114.00 - —
ton lots, ex whse..ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —

USP $25 per ton higher.

Butyric, 99%, dms., c.l., works, lb. .29 - —
l.c.l., same basis.....lb. .30 - —
Brenner's, bbls.....lb. 1.21 - —
Cacodylic, bots.....lb.13.50 -15.50
Camphoric, cns.....lb. 6.95 - 7.00
Caprylic, 99%, dms.....lb. No stocks
Capric, tech., dms.....lb. No stocks
Castor oil,[1] split, ret. dms..lb. Nominal
Chlorosulphonic, dms., c.l., wks., lb. .06 - —
l.c.l., works.....lb. .03½- .04½
tanks, works.....lb. .02½- —
Chromic, 99½-99¾%, dms., c.l., lb. .17 - —
l.c.l. .....lb. .17½- .19
Cinnamic, refd., bots.....lb. 3.00 - 3.25
Citric, anhyd., gran., dms., c.l..lb. .22½- —
l.c.l., 10,000 lbs. 1 ship't, lb. .23 - —
smaller lots.....lb. .23½- .26½
kgs. .....lb. .24 - —
USP, cryst., gran., bbls., c.l., lb. .20 - —
l.c.l., 10,000 lbs. 1 ship't, lb. .20½- —
smaller lots, bbls....lb. .21 - —
dms. .....lb. .23 - .24
kgs. .....lb. .21½- —
powdered citric acid, ½c. higher.
Cleve's, bbls.....lb. .65 - —
Coconut oil,[1] dist., dms.....lb. .17½- .19½
Corn oil, s.l.,[1] dms., c.l., wks. lb. .12 - —
Cottonseed oil,[1] s.d., ret. dms., c.l..lb. .12 - .13
tanks, dlvd.....lb. .11¼- .12¼
Cresylic,[3] dom. coal-tar, high-boil 50% (210°-215°), low boil 50% (204°-206°), and special blends, dms., c.l., works, frt. equald..gal. .81 - —
l.c.l., same basis....gal. .83 - —
tanks .....gal. .75 - —
Petroleum, heavy grade (200°-248°), dms., 20, Cal. ref..gal. .490 - —
Sewaren, N. J., ref.. gal. .616 - —
1-19, Cal. ref.....gal. .510 - —
Sewaren, N. J., ref.. gal. .636 - —
tanks, dlvd.....gal. .586 - —
light grade (200°-248°), tanks, Cal. ref..gal. .690 - —
medium grade (220°-248°), dms., 20, Cal. ref..gal. .50 - —
Sewaren, N. J., ref.. gal. .636 - —
1-19, Cal. ref.....gal. .570 - —
Sewaren, N. J., ref.. gal. .696 - —
tanks, dlvd.....gal. .646 - —
Crotonic, bbls., Canadian, wks., lb. .25 - —
Dichlorophenyoxyacetic, cns., dms., works..lb. No stocks
Diethylbarbituric (see Barbital).
F (see Acid, Monosulphonic).
Formic, 85%, cbys., c.l., wks.lb. .10 - —
l.c.l., works.....lb. .10½- .11
90%, cbys., c.l., works.....lb. .10½- —
l.c.l. .....lb. .11 - .11½
Fumaric, tech., bbls., dms...lb. .27 - .31
Gallic, NF V, bbls.....lb. 1.27 - 1.30
fib. dms.....lb. 1.32 - —
technical, bbls.....lb. 1.10 - 1.15
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls....lb. .12 - —
dmjn. .....lb. .21 - .23
kgs. .....lb. .14 - .15
Glutamic hydrochloride, dms. lb. 2.00 - 2.40
Glycolic (see Acid, hydroxyacetic).
H, bbls.....lb. .43½- .45
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, medicinal, 48%, cbys., dlvd. E..lb. .48 - —
tech., 48%, cbys., same basis. lb. .45 - —
34%, cbys.....lb. .35 - .37
Hydrochloric (see Acid, Muriatic).
Hydrocyanic, cyls., works...lb. .80 - 1.00
NF, dilute, 2%, 5-lb. bots..lb. .30 - .34
Hydrofluoric, anhyd., cyls., wks. lb. .19 - .19½
tanks, works.....lb. .16 - —
30%, rubber dms., works...lb. .08 - .09
48%, rubber dms., works...lb. .12 - —
52%, rubber dms., works...lb. .12½- —
60%, rubber dms., works...lb. .13½- —
Hydrofluosilicic, 30-35%, bbls.lb. .08 - .09
Hydroxyacetic, 70% tech., bbls., non-return., Phila..lb. .084 - —
tanks, works, acid basis. lb. .08¼- —
Hypophosphorous, USP, djns. lb. .75 - .77
Lactic, edible, 50%, cbys., 20 or more..lb. .12½- —
smaller lots.....lb. .13 - .13½
80%, bbls., 5 or less.....lb. .24¼- .24¾
plastic grade, 50%, bbls., cbys., 20 or more..lb. .14½- —
10 or less.....lb. .14¾- .15¼
80%, bbls., cbys., 5 or less. lb. .26 - .26¼
tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works... 100 lbs. 6.30 - —
l.c.l., bbls., works.... 100 lbs. 6.55 - —
cbys., works.....100 lbs. 7.55 - —
light, 22%, bbls., c.l., works. 100 lbs. 3.90 - —
l.c.l., works.....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —
USP XII, 85%, cbys.....lb. .54 - .57
USP VIII, 75%, cbys.....lb. .52 - .55
Lauric, dist., 95, dms.....lb. .28 - —
Laurent's, bbls.....lb. .45 - —
Linseed oil,[1,7] light, dms...lb. .21½- .22
Maleic, powd., dms.....lb. .30 - —
Anhydride (see M).
Malic, powd., kgs.....lb. .47 - —
Mandelic, USP, dms., 1,000 lb. lots..lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.30
Mixed, tanks, nitric unit.....lb. .05 - .06
sulphuric unit.....lb. .0065- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloracetic, tech., flakes, 96-97%, dms..lb. .16½- —
purified, flake, 99%, dms...lb. .20 - —
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., E. works....100 lbs. 1.75 - 2.45
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works.... 100 lbs. 1.75 - —
tanks, E. works.....ton.22.00 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
tanks, E. works.....ton.32.00 - —
CP, USP, consumers, cbys. extra..lb. .08 - —
6-lb. bots., extra.....lb. .10 - —
dealers, cbys. extra.....lb. .06½- —
6-lb. bots., extra.....lb. .08½- —
Myristic, dist., dms.....lb. No stocks
Naphthenic, 210-220 acidity, dms., extra, works..lb. .10¾- —
tanks, works.....lb. .09 - —
230-245 acidity, dms., extra, works..lb. .12¾- —
tanks, c.l., works.....lb. .12 - —
Nicotinic, USP, dms.....kilo. 7.00 - 7.30
Nicotinic amide (see Nicotinamide)
Nitric, 36°, cbys., c.l., E. works..100 lbs. 5.00 - —
l.c.l., 25, E., works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works....100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
CP, USP, consumers, cbys. extra..lb. .13 - —
7-lb. bots., cs., extra, lb. .15 - —
dealers, cbys. extra.....lb. .11½- —
7-lb. bots., cs., extra...lb. .13½- —
Oleic (see Oil, red).
Oleum (see Acid, sulphuric, fuming).
Oxalic,[1] bbls., c.l., works....lb. .11¼- —
10,000 lbs.....lb. .11½- —
smaller lots.....lb. .12½- —
Palm oil,[1] white, dist., dms..lb. No stocks
tanks .....lb. No stocks
Para-aminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Paratoluidinmetasulphonic, bbls., works..lb. .80 - —
Peanut oil,[1] s.d., tanks, works, lb. .11¼- —
Phenylacetic, bots.....lb. 1.65 - 1.85
Phosphoric, food grade, 50%, bbls., c.l., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., c.l., works, frt. equald..100 lbs. 4.35 - 4.60
l.c.l., works, frt. alld., 100 lbs. 5.25 - 7.25
tankwagon, dlvd. N. Y., Phila. Met. area..100 lbs. 4.00 - —
75%, bbls., c.l., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., c.l., works, frt. equald..100 lbs. 5.10 - 5.35
l.c.l., frt. alld....100 lbs. 7.00 - 9.50
tanks, works, frt. equald., 100 lbs 4.00 - 4.25
tankwagon, dlvd. N. Y., Phila. Met. area..100 lbs. 4.75 - —
USP, 100-lb. cbys., c.l.....lb. .10½- —
10 cbys. to c.l.....lb. .11½- —
2 to 9 cbys.....lb. .12 - —
single cbys.....lb. .13 - —
70-lb. cbys.....lb. .10¼- —
25 cbys. to c.l.....lb. .11½- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
dilut., 10%, cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic,[1] synth., pure, dms., works..lb. .19½- —
tanks, works.....lb. .18½- —
Pyrogallic, tech., bbls.....lb. 1.45 - 2.03
USP, cryst., dms.....lb. 2.10 - 2.15
resub., dms.....lb. 2.60 - 2.65
Pyroligneous, dms., dlvd. E. gal. .30 - —
Ricinoleic, com'l split (see Acid, castor oil, split).
Salicylic,[1] tech., bbls., c.l....lb. .26 - —
100 lbs. to c.l.....lb. .33 - —
smaller lots.....lb. .34 - .42
USP, bbls., c.l.....lb. .26 - —
100 lbs. to c.l.....lb. .35 - —
smaller lots.....lb. .36 - .44
Sebacic, tech., dms., works..lb. .55 - .57
Soybean oil,[1] s.d., dms., works. lb. .11¾- .16¼
tanks, works.....lb. .11 - .15¾
Stearic,[1] double pressed, bgs., c.l., dlvd. E. Rockies..lb. .15¾- —
W. of Rockies.....lb. .16¾- —
Texas and Okla., dlvd., lb. .16¾- —
single pressed, bgs., c.l., dlvd. E. of Rockies..lb. .15¾- —
W. of Rockies.....lb. .19¾- —
Texas and Okla., dlvd., lb. .15¾- —
triple pressed, bgs., c.l., dlvd. E. of Rockies..lb. .18¾- —
W. of Rockies.....lb. .19¾- —
Texas and Okla., dlvd., lb. .19¼- —

Stearic acid l.c.l. prices are:—Ton lots, ½c. per lb. higher; less than ton lots, 1c. higher.

Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., wks..lb. 1.60 - 1.65
tech., dms., works.....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l. .....lb. 1.50 - 2.20
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.... 100 lbs. 1.50 - —
tanks, E. works.....ton.16.50 - —
96°, tanks, works.....ton.17.50 - —
CP, USP, consumers, cbys. extra..lb. .08 - —
9-lb. bots., cs. extra..lb. .10 - —
dealers, cbys. extra.....lb. .06¼- —
9-lb. bots., cs. extra..lb. .08¼- —
fuming, 20%, tanks, E. works, ton.19.50 - —
Tannic, tech., bbls., dms..lb. .71 - .73
USP, fluffy, bbls., 1,000 lbs... lb. 1.23 - —
smaller lots.....lb. 1.35 - 1.38
powder, bbls., 1,000 lbs..lb. 1.13 - —
smaller lots.....lb. 1.15 - —
Tartaric,[1] USP, cryst., gran., powd., bbls., 10,000 lbs., 1 ship't..lb. .70½- —
smaller lots.....lb. .71 - —
kgs. .....lb. .71½- —
Thioglycolic, highly purified, bbls., cbys., basis 100%..lb. 3.50 - 7.00
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic, CP, 100-lb. pkgs..lb. 2.04 - 2.10
pure, 100-lb. kgs.....lb. 2.86 - —
Aconite leaves, bls.....lb. 1.10 - 1.40
Root, bls.....lb. 1.35 - 1.40
Aconitine, amorph., bots.....oz.26.00 -28.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz.42.00 -45.00
15-gr. vials.....vial. 1.00 - —
Acrylonitrile, dms., c.l., frt. alld. lb. .89½- —
l.c.l., works.....lb. .40 - .41
tanks, frt. alld.....lb. .39 - —
Adeps lanae,[1] USP, anhyd., cosmetic, dms., works..lb. .32 - .34
pharmaceutical, dms., wks. lb. .32 - .33
Agar .....lb. 2.50 - —
San Diego, Cal.....lb. 2.00 - —
Agaric, white, bls.....lb. 3.75 - 4.00
Albumen, blood, dark (see Blood, soluble).
light, dms., Chicago.....lb. .65 - .70
egg, edible,[1,7] powd., bbls...lb. 2.09 - 2.17
granular, cryst., bbls.....lb. 2.04 - 2.12
tech., cryst., bbls.....lb. 1.40 - 1.55
Alcohol, allyl, dms., c.l., dlvd..lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tankcars, dlvd.....lb. .20 - —
Amyl ex pentane, dms., c.l., frt. alld. E. of Miss. R. lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
(see also Fusel oil, ref.).
Benzyl, cns.....lb. .70 - .75
dms. .....lb. .65 - —
Butyl, normal,[1] ferment., Ill., Ind. prod., dms., c.l., frt. alld..lb. .1930- —
l.c.l., frt. alld. E....lb. .1960- —
tanks, frt. alld. E....lb. .1830- —
tankwagons, frt. alld.lb. .1850- —
other production, dms., c.l., frt. alld. E..lb. .1960- —
l.c.l., frt. alld. E....lb. .2000- —
tanks, frt. alld. E....lb. .1850- —
synthetic, dms., c.l., frt. alld. E..lb. .11¾- —
l.c.l., frt. alld. E....lb. .12¼- —
tanks, frt. alld. E.....lb. .10¾- —

Normal butyl alcohol prices in West, ½c. per lb. higher.

secondary, dms., c.l., dlvd.lb. .095 - —
l.c.l., dlvd.....lb. .10 - —
tanks, dlvd.....lb. .08½- —
tertiary, denat., dms., c.l..lb. .125 - —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11 - —
Capryl, dms., c.l., works...lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs. 1.75 - 1.80
smaller lots.....lb. 1.90 - 2.00
Cinnamic, bots.....lb. 3.00 - 3.55
Denatured,[1,7] CD14, dms., c.l., works, E..gal. .612 - —
l.c.l., works, E.....gal. .633 - .653
tanks, E. works.....gal. .543 - —
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., E. works..gal. .633 - —
l.c.l., works, E.....lb. .632 - .656
tanks, E. works.....gal. .543 - —
Anhydrous 5c. per gal. higher.
SD2B, dms., c.l., wks., E.gal. .634- —
l.c.l., works, E.....gal. .653- .654
tanks, E. works.....gal. .534- —
SD23G, dms., c.l., works...lb. .652 - —
l.c.l., works.....lb. .672 - —
tanks, works.....lb. .532 - —
SD23H, dms., c.l.....gal. .61 - —
l.c.l., works, E.....gal. .62 - .664
tanks, E. works.....gal. .54 - —
SD29, denatured, with acetaldehyde, dms., c.l., E. works. gal. .62 - —
l.c.l., works, E.....gal. .664- .684
tanks, E. works.....gal. .55 - —

When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those for SD21 plus 1½c. per gal. denaturing charge.

Special solvent, dms., c.l., works, E..gal. .62 - —
l.c.l., works, E.....gal. .65 - .66
tanks, E. works.....gal. .56 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, dms., c.l., dlvd..lb. .21¼- .14½
l.c.l., dlvd.....lb. .13 - .15
tanks, dlvd.....lb. .10¼- .13½
tech., dms., c.l., dlvd.....lb. .11 - .13½
l.c.l., dlvd.....lb. .11½- .14
tanks, dlvd.....lb. .10 - .12½

Controls on Materials

Applications of WPB, OPA and WFA regulations to materials listed in this section are indicated by superior figures as follows:—

[1]—Specific price ceiling

[2]—Price agreement (sellers with OPA)

[3]—General Limitation Order (L order)

[4]—General Preference Order (M order)

[5]—Conservation Order (M order)

[6]—Allocation

[7]—War Food Order

Alcohol, ethyl, 190 pf., dms., c.l., works..gal.17.72½- —
l.c.l., works.....gal.17.76 -17.79
tanks .....gal.17.65½- —
absolute, dms., c.l., works.gal.18.67½- —
l.c.l., works.....gal.18.71 -18.74
tanks .....gal.18.60½- —
Ethylhexyl, dms., c.l., works..lb. .24 - —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., works.....lb. .32½- —
l.c.l., works.....lb. .25 - —
tanks, works.....lb. .20 - —
Isoamyl (see Carbinol, isobutyl).
Isobutyl,[2] refd., dms., works..lb. .0860- —
tanks, works.....lb. .0760- —
Isopropyl,[2] refd., 91%, dms., incl., c.l., divd..gal. .38 - —
l.c.l., divd.....gal. .41 - —
tanks, divd.....gal. .31½- —
99%, dms., incl., c.l., divd..gal. .41½- —
l.c.l., divd.....gal. .44½- —
tanks, divd.....gal. .35 - —
Methyl (see Methanol).
Octyl (see Alcohol, ethylhexyl).
Phenylethyl, dms.....lb. 2.10 - 2.35
Polyvinyl, type A, fiber-pack, Niagara Falls..lb. .65 - .70
type B, fiber-pack, same basis. lb. .60 - .63
Propyl, normal, dms., works, gal. .67 - —
smaller containers, works, gal. .82 - —
tanks, works.....gal. .60 - —
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia..lb. .55 - —
dms., c.l., Waverly, N. Y..lb. .40 - —
l.c.l., same basis.....lb. .50 - —
Aldol,[2] dms., works.....lb. .13 - .15
denaturing grade, dms.....gal. 1.20 - —

Algarobilla,[1] c.l., ex dock..... long-ton.67.50 - —
Algarobilla price based on ocean frt. at $12 insurance per long ton.
Algin, bbls., fib. dms.....lb. .76 - 1.60
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. No stocks
Allspice,[1] Mexican, bgs.....lb. .16½- .17
Allyl bromide, cbys., 5,000 lbs., works..lb. .90 - —
smaller lots, works.....lb. 1.05 - 1.10
Chloride, dms., c.l., divd....lb. .13½- —
l.c.l., divd.....lb. .14 - —
tanks, divd.....lb. .12½- —
Aloe, Cape, cs.....lb. No stocks
Curacao, kgs.....lb. .48 - .49
Socotrine, kgs.....lb. .43 - .44
Aloin, bbls., dms., kgs.....lb. 4.80 - 4.89
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Alphapicoline, ret. dms., works, frt. equald..lb. .23½- .28½
Alphapinene, dms., c.l., wks..gal. .88½- —
l.c.l., works.....gal. .90½- —
tanks, works.....gal. .85½- —
Alphaterpineol, dms., c.l., works. lb. .1340- —
l.c.l., works.....lb. .1390- —
tanks, works.....lb. .1200- —
Alphatocopherol, amp.....gram. 1.00 - 1.10
Althea root, NF, peeled, bls...lb. .55 - .60
Alum, ammonia, burnt, USP, bbls., kgs....lb. .16 - .18
gran., bbls., works....100 lbs. 4.00 - —
divd., N. Y., Phil.100 lbs. 4.00 - —
lump, bbls., works....100 lbs. 4.25 - —
divd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works....100 lbs. 4.40 - —
divd., N. Y., Phil..100 lbs. 4.40 - —
Potash, gran., bbls., works. 100 lbs. 4.25 - —
divd., N. Y., Phil..100 lbs. 4.25 - —
lump, bbls., works....100 lbs. 4.50 - —
divd., N. Y., Phil..100 lbs. 4.50 - —

Alum, potash, powd., bbls., works..100 lbs. 4.65 - —
divd., N. Y., Phil..100 lbs. 4.65 - —
Potash-chrome, bbls.....lb. .12½- .15
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., divd.....100 lbs. 4.25 - 5.00
Alumina, classified grade, ground, kgs., works..lb. .35 - .37
top grade, ground, kgs., works. lb. .60 - .67
unclassified, ground, kgs., works..lb. .10½- .46
Acetate, basic solution, 24%, bbls., divd..lb. .10½- .11
20%, bbls., divd.....lb. .09½- .10
Chloride, anhyd., com'l, dms., c.l., works..lb. .08 - .11
l.c.l., works.....lb. .09 - .12
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solution, 32 deg., cryst., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Fluoride, tech., bbls.....lb. .25 - —
Formate, solution, 12-20° Be, bbls., c.l., works..lb. .09½- —
l.c.l., works.....lb. .10 - —
Hydrate,[2] heavy, bgs., c.l., works..lb. .024 - .031
l.c.l., works.....lb. .035 - .040
light, bgs., divd.....lb. .14½- —
bbls., divd.....lb. .15 - —
Hydroxide, gel, tech., min. 15% Al $(OH)_3$ dms, 10,000 lbs. or or more, f.o.b. ship't point. lb. .03 - .03¼
ton lots, same basis..lb. .03¼- .03½
smaller lots, same basis lb. .03¾- .04
conc., 9-9½% Al_2O_3, fib. dms., works..lb. .17¾- —
contract, works.....lb. .16¾- —

Alumina hydroxide, conc., 14-15% Al_2O_3 fib. dms., works..lb. .20¾- —
contract, works.....lb. .19¾- —
dried, USP XII, fib. dms., works..lb. .78 - —
contract, works.....lb. .76 - —
powder, tech. (see Alumina hydrate).
USP IX, bbls., dms.....lb. .15 - .17
Laurate, precip., bbls.....lb. .25 - .30
Naphthenate,[2] 1.7% Al, 50-gal. dms., works..lb. .18¾- —
Oleate, dms., contract.....lb. .24½- —
Resinate, precip., dms.....lb. .15½- —
Stearate, precip., ctn., c.l....lb. .23 - —
l.c.l. .....lb. .24 - —
Sulphate, coml, bgs., c.l., works, frt. equald..100 lbs. 1.15 - 1.25
l.c.l., works, frt. equald... 100 lbs. 1.40 - 1.50
bbls., c.l., works, frt. equald. 100 lbs. 1.35 - 1.45
l.c.l., works, frt. equald.... 100 lbs. 1.60 - 1.70
iron-free, bgs., c.l., works. 100 lbs. 1.75 - —
l.c.l., works.....100 lbs. 2.00 - —
Trihydrate, heavy (see Alumina hydrate).
Aluminum, 98-99%,[2] c.l.....lb. .15 - —
l.c.l. .....lb. .15 - .16
Paste, lining, extra fine, 200-lb. dms..lb. .56 - .62
ink, 150-lb. dms.....lb. .71 - —
standard 200-lb. dms.....lb. .38 - —
Powder, lining, extra fine, 150-lb. dms..lb. .93 - —
litho, 150-lb. dms.....lb. .57 - —
standard, 200-lb. dms....lb. .59 - —
rubber comp., 200-lb. dms..lb. .40 - —
unpolished, stand., dms....lb. .38 - —
varnish, stand., 300-lb. dms.. lb. .40 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dms., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins.....oz. 8.75 -12.00
Aminoethylpropanol, cns., dms., works..lb. .50 - .60
Aminopyrine, bots., dms.....lb. 4.00 - 4.40
Ammonia[2] anhydrous, fertilizer, tankcars, works, frt. equald. ton.59.00 - —
pure, cyls.....lb. .14½- —
refrigeration, tanks, works... ton.69.00 - —
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¾- —
l.c.l. .....lb. .03½- —
tanks, works (NH_3 content). ton.65.00 - —
Benzoate, USP, dms., kgs., 4,000 lbs., up, frt. alld...lb. .42 - —
smaller lots, frt. alld....lb. .44 - .47
Biborate, gran., bbls., N. Y. or Chi..lb. .1515- —
Bicarbonate, dms., c.l.....lb. .0564- —
Bichromate, bbls.....lb. .23 - .25
Bifluoride, bbls.....lb. .15 - .15½
Borate, gran., bbls., kgs.....lb. .1080- —
powd., bbls., kgs.....lb. .1130- —
Bromide, NF, bbls.....lb. .28 - —
dms. .....lb. .29 - —
Carbonate, USP, lump, dms..lb. .03¼- .03½
cns. .....lb. .14¼- .17½
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls., dms., kgs.. lb. .13 - .15
Citrate, dibasic, bbls.....lb. .75 - —
dms. .....lb. .80 - .85
Fluoride,[2] bbls.....lb. No stocks
Hydroxide (see Ammonia, aqua)
Hypophosphite, NF, dms.....lb. 1.26 - 1.27
jars .....lb. 1.30 - 1.35
Iodide, NF, bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls.lb. .12 - —
Molybdate,[2] c.p., cryst., kgs.lb. 1.26 - 1.28
fine cryst., bbls., kgs.....lb. .84 - .87
purified, dms.....lb. 1.10 - 1.12
Nitrate,[1,2] fertilizer grade, Canadian, 32.5% nitrogen, bgs., same N unit price, delivered, as Ammonia sulphate, bgs., c.l., shipping point.....ton.50.00 - —
bulk, same basis.....ton.46.00 - —
tech., bgs., works.....100 lbs. 4.35 - 4.50
bbls., works.....100 lbs. 4.55 - —
Nitrate-limestone,[2] 20.5% N, bgs., Hopewell, Va..ton.32.50 - —
Oleate, dms.....lb. .14 - —
Oxalate, fine gran., bbls.....lb. .23 - —
dms. .....lb. .25 - .29
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs.....lb. .25½- .28½
Phosphate, dibasic, NF V, bbls., kgs..lb. .37 - .39
tech., bgs., c.l., works....lb. .07 - —
l.c.l., works.....lb. .07¾- —
monobasic, pure, bbls.....lb. .39 - .41
tech., bgs., c.l., works....lb. .07 - —
l.c.l., works.....lb. .07¾- .08¼
Salicylate, NF, dms., kgs....lb. 1.15 - 1.16
Silicofluoride, bbls.....lb. .15 - .18
Stearate, anhydrous, dms....lb. .34 - —
paste, dms.....lb. .08½- —
Sulphamate, bbls., works....lb. .18 - .24
Sulphate,[1,2] bulk, inland producing ovens..ton.28.20 - —
Atlantic coast ports.....ton.29.20 - —
Sulphide, liquid, 40-45%, basis 100%, dms., c.l., works..lb. .09 - —
l.c.l., divd.....lb. .15 - —
tanks, divd.....lb. .07½- —
red, 49%, cbys., works.....lb. .08 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys., works..lb. .08 - —
dms., works.....lb. .06 - —
Sulphocyanide, CP, bbls.....lb. .55 - —
jars .....lb. .97 - —
tech., bbls.....lb. .17 - .19
Thioglycollate, highly purified, 100% basis, bbls..lb. 7.10 - 8.25
Ammoniac gum (see Gum, ammoniac).
Sal, gray, bbls., c.l., works..... 100 lbs. 5.50 - 5.75
l.c.l., works.....100 lbs. 6.00 - 6.70
white, gran., bbls., c.l., works. 100 lbs. 4.45 - —
l.c.l., same basis.100 lbs. 5.15 - —
Amyl acetate,[2] ex fusel oil, tech., dms., c.l., divd..lb. .17 - —
l.c.l., divd.....lb. .17½- —
tanks, divd.....lb. .16 - —
ex-pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms.....lb. .80 - 1.00
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
tanks, works.....lb. .06 - —

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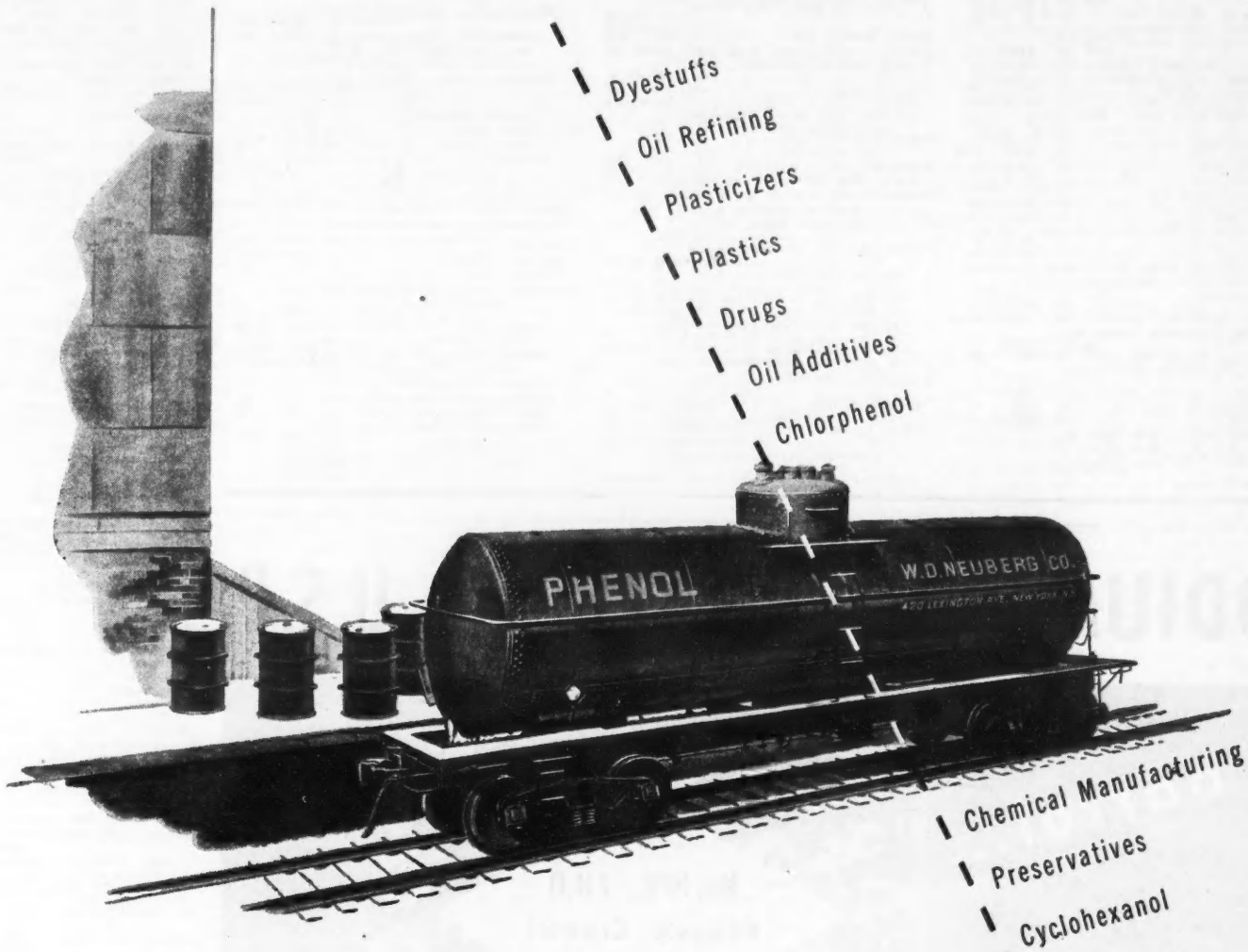

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Amyl ether, dms., c.l., works..lb. .095 - —
i.c.l., works.....lb. .102 - —
tanks, works.....lb. .086 - —
Nitrite, USP, bots.....lb. 1.72 - 1.80
Mercaptan, dms., works.....lb. 1.10 - —
Salicylate, bots.....lb. .68 - .85
Anethol, com'l, dms., works..lb. .657 - .682
NF, dms.....lb. 2.60 - 3.00
Angelica dom. atropurpurea root, bls..lb. 1.00 - 1.35
imported, natural, bls.....lb. 2.50 - 2.60
Angostura bark, bls.....lb. .21 - .22
Anilin oil, dms., c.l., works, frt. alld..lb. .11¼- —
l.c.l., works, frt. alld....lb. .12½- —
tanks, works, frt. alld.....lb. .10½- —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. No stocks
Chinese, star, bgs., futures, lb. .41 - .42
Cyprus, bgs.....lb. No stocks
Mexican, bgs.....lb. .32½- .33½
Syrian, bgs.....lb. No stocks
Turkish, bgs.....lb. No stocks
Anisic aldehyde, bots.....lb. 3.00 - 3.25
Annatto, paste, bxs.....lb. .34 - .38
Seed, bgs.....lb. .08½- .09
Anthracene, 80-85%, bbls., works, lb. .55 - —
90%, bbls.. works.....lb. .65 - —
Anthraquinone, 99.5%, bbls....lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal,[1] bulk, c.l., works....lb. .14½- .17½
Needle,[1,6] Bolivian, brown, 67%, cs..lb. .16¼- —
Chinese, black, 70%, cs.....lb. .20 - .22
Oxide,[1,6] ceramic grade, bgs., c.l..lb. .16 - —
l.c.l. .....lb. .15¾- —
paint grade, bgs., c.l.....lb. .16¾- —
l.c.l. .....lb. .16¾- —
Antimony salt,[1,6] 65%, bgs., c.l., dlvd E. of Miss. River..lb. .40 - —
Sulphide,[1,6] 65-70%, bbls., c.l., works..lb. .17 - —
l.c.l., works.....lb. .17½- —

Antipyrine, bbls., kgs., ton....lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz. 23.20 -23.70
Apple syrup,[1] bbls.....lb. .14 - .16
Archil extract, bbls.....lb. No stocks
Areca nuts, powd., bbls.....lb. .23 - .24
Arecoline hydrobromide, bots.oz. 6.10 - 7.10
Argols,[7] min. 70%, bgs., shipment port, 100 kilos, 100% purity. kilo. 80.00 -82.00
Arnica flowers, bls.....lb. 2.25 - 2.30
Arrowroot, powd., bgs., bbls...lb. .10½- .11
Arsenic, chloride (arsenous), bots. lb. 1.55 - —
Metal, lump, c.l.....lb. No prices
Sulphide, yellow, bbls.....lb. No stocks
Trioxide (see Acid, arsenous, and Arsenic, white).
White, powd., kgs., c.l.....lb. .04 - —
l.c.l. .....lb. .04¾- —
Asafetida, cs.....lb. .58 - .60
powd., bbls., dms.....lb. .78 - .80
Asbestine (see Talc, N. Y., fibrous).
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Cana. mines. ton. 49.50 - —
5R, bgs., c.l. (20 tons), same basis..ton. 44.00 - —
6D, bgs., c.l. (30 tons), same basis..ton. 33.00 - —
7D, bgs., c.l., same basis.ton. 28.50 - —
7F, bgs., c.l., same basis.ton. 26.50 - —
7H, bgs., c.l., same basis.ton. 22.50 - —
7K, bgs., c.l., same basis.ton. 19.00 - —
7M, bgs., c.l., same basis.ton. 16.50 - —
7R, bgs., c.l., same basis.ton. 15.50 - —
Asphaltum, Barbados, Dunellen, N. J..lb. .10½- —
California, dms., c.l.....ton. 36.40 - —
l.c.l. .....ton. 41.40 - —
Cuba A, bulk, c.l.....ton. 60.00 - —
l.c.l. .....ton. 90.00 - —
B, bulk, c.l.....ton. 38.50 - —
l.c.l. .....ton. 55.00 - —
Egyptian .....ton. No stocks

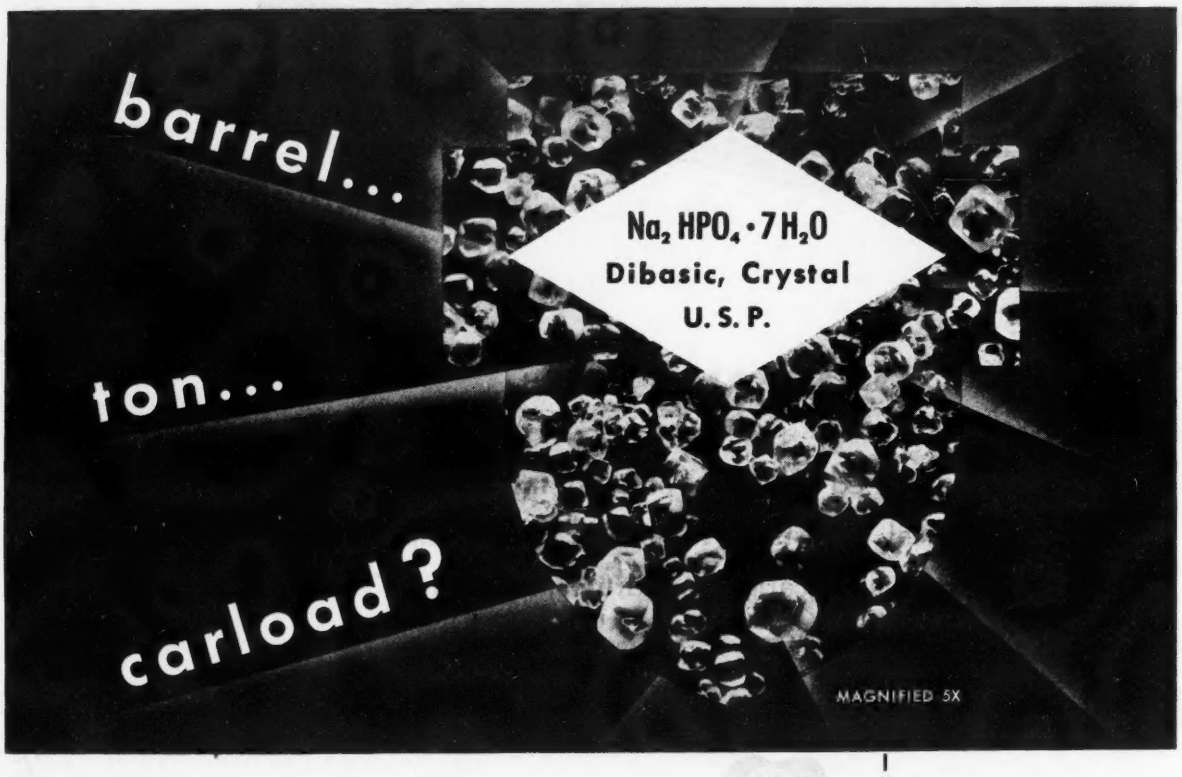
Asphaltum, gilsonite, brilliant black, selects, 340° F. fusing point, bgs., mines..ton. 30.00 -32.00
270-295° fusing point, bgs., mines..ton. 30.50 - —
seconds, 300-390° F. fusing point, not uniform, bgs., mines..ton. 25.50 - —
jet, bgs., ton lots, gross weight, Colo. mines..ton. 30.50 - —
Manjak, No. 10, crude, dms., works..lb. .05½- .12
process form, bgs., works..lb. .05¾- .13
jet, bgs., 2,000 lbs., gross weight, Colo. mines..ton. 30.50 - —
Mexican, refd., dms., c.l., Texas refy..ton. 21.00 - —
l.c.l., same basis.....ton. 21.00 -23.00
tanks, same basis.....ton. 16.00 - —
Atropine, bots.....oz. 7.85 - —
Sulphate, bots.....oz. 5.75 - 6.15

B

Balm of Gilead buds, bgs.....lb. 1.90 - 2.00
Barbasco root,[2] (see Cube root).
Barberry root bark, bgs.....lb. .78 - .80
Barbital, dms.....lb. 3.60 - 3.60
Sodium, dms.....lb. 3.75 - 3.85
Barium carbonate, natural, 90% through 200 mesh, bgs., c.l., works..ton. 43.00 - —
precip., bgs., c.l., works..ton. 60.00 -70.00
l.c.l., works.....ton. 65.00 -75.00
precip., bbls., c.l., works..ton. 65.00 -75.00
l.c.l., works.....ton. 70.00 -80.00
Chlorate, kgs., works.....lb. .27½- .31
Chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., cryst.,[6] bgs., c.l., works, ton. 73.00 - —
l.c.l., works.....ton. 78.00 - —
bbls., c.l., works.....ton. 75.00 - —
l.c.l., works.....ton. 80.00 - —

Barium, dioxide, dms., c.l., works..lb. .10 - —
l.c.l., works.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .06 - .07
Iodide, bots.....lb. 4.62 - 4.82
Monoxide (see Oxide).
Nitrate, bbls., c.l., works...lb. .09¼- .11¼
l.c.l., works.....lb. .10 - .11½
Oxide, dms., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .12 - .14
grd., dms., l.c.l., works....lb. .13 - .16
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .17 - .19
Stearate, ctns., 1 ton up.....lb. .31 - —
smaller lots.....lb. .32 - —
Sulphate, tech. (see Barytes, and Blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, floated, bbls., c.l., St. Louis..ton. 27.65 - —
l.c.l., same basis.....ton. 28.65 - —
ex whse., N. Y.....ton. 36.00 - —
paper bags, c.l., St. Louis.ton. 25.35 - —
l.c.l., same basis.....ton. 26.35 - —
ex whse., N. Y.....ton. 34.00 - —
Southern, off-color, bgs., mines, ton. 17.50 - —
95.75%, bgs., mines.....ton. 18.00 - —
Ore, approx. 94% $BaSO_4$, bulk, mines..ton. 6.50 - —
Bauxite bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Barberry bark, bgs.....lb. .12 - .18
Belladonna leaves, bls.....lb. 1.00 - 1.10
Root. bls.....lb. 1.50 - 1.55
Bentonite, 200 mesh, bgs., works, ton. 11.00 - —
325 mesh, bgs., works....ton. 16.00 - —
Benzaldehyde, NF, dms.....lb. .70 - 1.10
tech., cbys., dms.....lb. .45 - .55
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns.....lb. 3.20 - 3.55
Benzol (benzene), pure, nitration and 90%, dms., works, gal. .20 - —
tanks, E. of Omaha, frt. alld..gal. .15 - —
W. Coast, Minnequa, Colo..gal. .15 - —
Benzophenone, dms.....lb. 1.15 - 1.20
Benzoyl chloride, cbys.....lb. .20½- .26
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns.....lb. .70 - .85
dms. .....lb. .65 - —
Alcohol (see Alcohol, benzyl).
Benzoate, f.f.c., dms.....lb. 1.05 - 1.15
Chloride, cbys., frt. equal..lb. .22 - .24
Cinnamate, cns.....lb. 4.00 - 4.25
Formate, cns.....lb. 2.70 - 2.75
Propionate, bots.....lb. 1.85 - 2.45
Slicylate, bots.....lb. 1.80 - 1.85
Benzylidinacetone, bots.....lb. 2.00 - 2.50
Benzylisoeugenol, bots.....lb. 9.50 - —
Berberine bisulphate, cns.....lb. No stocks
Hydrochloride, bots.....lb. No stocks
Sulphate, cns.....lb. No stocks
Berberis root, bls.....lb. .30 - .36
Betanaphthol, resublimed, dms., works..lb. .55 - .60
tech., bbls., c.l., works....lb. .23 - —
l.c.l., works.....lb. .24 - —
Benzoate, fib. dms., works...lb. 1.75 - —
Salicylate, dms.....lb. 5.00 - —
Betanaphthylamine, tech., works, lb. .51 - —
Betapicoline, 90%, ret. dms., c.l., works..lb. 1.60 - —
l.c.l., works.....lb. 1.85 - —
95%, dms., works.....lb. 2.05 - —
98.99%, works.....lb. 2.20 - —
Betagammapicoline, dms., c.l., works..lb. .23½- —
l.c.l., works.....lb. .24½- —
Beth root, bls.....lb. .43 - .44
Bismuth chloride, bots.....lb. 3.00 - —
jars .....lb. 2.85 - —
Citrate, USP VIII, bots.....lb. 2.81 - 2.86
jars .....lb. 2.75 - —
Hydroxide, bots.....lb. 3.41 - 3.46
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., bots.....lb. 1.41 - 1.49
cns. .....lb. 1.30 - —
Oxychloride, bots.....lb. 3.14 - 3.19
cns., dms., kgs.....lb. 3.10 - —
Subbenzoate, bots.....lb. 3.51 - —
fib. dms.....lb. 3.40 - —
Subcarbonate, USP, bbls., dms., lb. 1.50 - 1.58
bots., cns.....lb. 1.59 - 1.68
X-ray, 5-lb. bots.....lb. 2.79 - —
fib. dms.....lb. 2.73 - —
Subgallate, NF, bots., cns...lb. 1.49 - 1.53
fib. dms.....lb. 1.40 - 1.43
Sublodide, bots.....lb. 4.19 - 4.25
fib. dms.....lb. 4.13 - —
Subnitrate, USP, powd., bbls., dms..lb. 1.20 - 1.23
bots. .....lb. 1.29 - 1.33
Subsalicylate, USP, bbls., fib. dms..lb. 2.50 - —
5-lb. cns.....lb. 2.54 - 2.59
Sulphocarbolate, bots.....lb. 3.71 - 3.74
fib. dms.....lb. 3.65 - —
Bismuth-ammonia citrate, USP, powd., dms..lb. 3.40 - —
cns. .....lb. 3.45 - 3.50
Black, acetylene,[3] bgs., c.l., works..lb. .14 - —
l.c.l., works.....lb. .16 - —
Bone 1A, bgs., bbls., c.l., frt. alld. E..lb. .17 - —
2, bgs., bbls., c.l., same basis. lb. .12 - —
3, bgs., bbls., c.l., same basis. lb. .11 - —
4, bgs., bbls., c.l., same basis. lb. .09½- —
400A, bgs., bbls., c.l., same basis..lb. .08¼- —
457, bgs., bbls., c.l., same basis..lb. .11½- —
Bone black l.c.l. prices are ½c. higher than c.l. Pacific coast, ex dock, or whse., prices are 1½c. higher.
Carbon, channel, compressed, beads, bulk, c.l., works..lb. .05 - —
bgs., c.l., works.....lb. .055 - —
l.c.l., works.....lb. .06 - —
dlvd. or whse.....lb. .092 - —
uncompressed, regular, bgs., c.l., works..lb. .08625- —
bgs., ctns., l.c.l., dlvd. or whse..lb. .097 - —
Furnace, HMF, bgs., c.l., works..lb. .05 - —
ctns., l.c.l., whse.....lb. .07½- —
SRF, bgs., c.l., works...lb. .06¼- —
ctns., l.c.l., whse.....lb. .08 - —
Thermatonic, bgs., c.l., works. La..lb. .04 - —
l.c.l., whse. Trenton, N. J. lb. .06¼- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure, bbls., l.c.l., works..lb. .09½- —
Lamp, 1, ctns., c.l., works..lb. .06½- —
l.c.l., works.....lb. .09 - —
2, ctns., c.l., works.....lb. .10 - —
l.c.l., works.....lb. .11 - —

SODIUM PHOSPHATE,* DI, U.S.P.



In the manufacture of laxatives...urinary acidifiers...or other pharmaceuticals, when your process calls for a medicinal grade (U.S.P.) Disodium Phosphate, you can depend upon Baker & Adamson to meet your production schedule month after month with this pure, crystalline product.

Whatever your requirements, remember B&A is geared to the needs of leaders in the Industry . . . producing in extensive, modern plant facilities . . . using all the priceless experience gained in 63 years of manufacturing reagents to "decimal-point" purity.

What better source of supply for the pharmaceutical manufacturer who must have *quality* chemicals in *quantity* for his operations! For your needs—choose B&A Disodium Phosphate, U.S.P. . . . pure, reliable, readily available in barrel, ton, or even carload lots.

*Disodium Phosphate, U.S.P., is one of many basic pharmaceutical chemicals available in commercial quantities from B&A today. For these high-purity products—or for a special chemical "custom made" to your specific formula, consult nearest B&A Technical Service Office below.

Setting the Pace in Chemical Purity Since 1882

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Black, lamp, 2A, ctns., c.l., works..lb. .12 - —
l.c.l., works.....lb. .13½- —
3, ctns., c.l., works.....lb. .14½- —
l.c.l., works.....lb. .15½- —
4, ctns., c.l., works.....lb. .16½- —
l.c.l., works.....lb. .17½- —
5, ctns., c.l., works.....lb. .20 - —
l.c.l., works.....lb. .26 - —
6, ctns., c.l., works.....lb. .26½- —
l.c.l., works.....lb. .27½- —
7, ctns., c.l., works.....lb. .37½- —
l.c.l., works.....lb. .38½- —
Mineral, vine type, bbls., l.c.l., works..lb. .04¾- —
Vine A, bbls.....lb. .04½- .05
B, bbls.....lb. .05¾- —
kegs.....lb. .06 - —
Black dyes (see Dyes)
Black haw root bark, bls.....lb. .84 - .85
Tree bark, bls.....lb. .40 - .45
Black Indian hemp root, bls...lb. .50 - .55
Blanc dxe, dry, by-product, bgs., c.l., works..ton.60.00 - —
l.c.l., works.....ton.67.00 - —
direct process, bgs., c.l., works..ton.70.00 - —
bbls., c.l., works....ton.75.00 - —
l.c.l., works.....ton.80.00 - —
pulp, 66%, bbls., c.l., works. ton.40.00 - —
l.c.l., same basis....ton.46.50 - —
Bleaching powder,[3] dms., c.l., works..100 lbs. 2.50 - 3.10
l.c.l., works.....100 lbs. 3.75 - 3.60
Blood,[4,7] dried, 16-16½% ammon., bgs..unit-ton. 5.53 - —
high-grade, unground, 16-17% ammon., bulk, Chicago. unit-ton. 5.53 - —
soluble, bgs., c.l., Chicago...lb. .13½- —
l.c.l., Chicago.....lb. .15 - .20
Bloodroot, bls.....lb. .60 - .65
Blue,[1] alkali, dry, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.75 - —
Toner, bbls., same basis....lb. .85 - .90
Celestial, bbls., same basis..lb. .10 - .12
Chinese, bbls., same basis...lb. .36 - —
Cobalt,[5] genuine, bbls., same basis..lb. 4.90 - —
Imitation (see Blue, ultramarine)
Copper phthalocyanin, full strength, bbls., same basis. lb. 3.50 - 3.75
50%, bbls., same basis...lb. 3.00 - —
green shade, bbls., same basis. lb. 4.50 - 4.70
Iron, (see Blue, Chinese, Milori, Potash Prussian, and Soda).
Milori, bbls., same basis....lb. .36 - —
Molybdated, Victoria, bbls., same basis..lb. 3.15 - —
Peacock, fugitive, 100% color strength, same basis..lb. .52 - —
permanent toner, green shade, molybdic, bbls., same basis lb. 3.50 - —
tungstic.....lb. 4.00 - —
Potash, CP, bbls., same basis. lb. .42 - —
Prussian, bbls., same basis.lb. .36 - —
soluble, bbls., same basis..lb. .36 - —
Soda, CP, bronze, bbls., same basis..lb. .36 - —
Ultramarine,[4] cobalt type, dry or pulp, bbls., same basis. lb. .23 - .27
jobbing type, dry, bbls., same basis..lb. .12 - .13
Blue, ultramarine, regular types, dry or pulp, bbls., same basis..lb. .17 - .27
Victoria, toner, molybdic, bbls., lb. 3.15 - —
tungstic, bbls.....lb. 3.30 - —
ink toner, bbls., same basis, lb. 1.63 - —
synthetic vehicle, bbls., same basis..lb. 1.93 - —
Violet, toner, molybdic, kgs., same basis..lb. 1.25 - —
tungstic, kgs., same basis..lb. 2.10 - —
Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1½c.); Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher, Pac. Coast; Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Blue mass, NF, cns., tube....lb. 1.58 - 1.75
powd., bots., cns., dms.....lb. 1.61 - 1.75
Blueflag root, bls.....lb. .70 - .75
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone,[7] raw, bulk, Chicago...ton.57.00 -65.00
junk, bulk, same basis....ton.35.00 - —
Meal, raw, 4½% ammon., 50% phos., bgs., E. works.. ton.37.50 - —
Chicago, works.....ton.39.50 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works..ton.48.50 - —
Chicago, works.....ton.50.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works..ton.38.50 - —
Chicago, works.....ton.36.00 - —
Phosphate, defluorinated (see D).
Precipitated (see Calcium phosphate tribasic precip.).
Boneset leaves, bls.....lb. .16 - .17
Borage flowers, bls.....lb. No stocks
Borax,[2] tech., 99½% gran., bulk, c.l., frt. alld..ton.41.50 - —
bgs., c.l., frt. alld....ton.45.00 - —
ton lots, ex whse.....ton.56.00 - —
less ton lots, ex whse.ton.61.00 - —
bbls., c.l., frt. alld.....ton.55.00 - —
ton lots, ex whse.....ton.66.00 - —
less ton lots, ex whse.ton.71.00 - —
powd., bgs., c.l., frt. alld. ton.50.00 - —
ton lots, ex whse.....ton.61.00 - —
less ton lots, ex whse.ton.66.00 - —
bbls., c.l., frt. alld.....ton.60.00 - —
ton lots, ex whse.....ton.71.00 - —
less ton lots, ex whse.ton.76.00 - —
USP, $15 per ton higher.
Bordeaux mixt., dms., c.l., whse., works, frt. alld..lb. .11 - —
l.c.l., same basis.....lb .11½- —
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies..lb. .21 - —
1,000 lbs., frt. alld. E. of Rockies..lb. .23 - —
single pkgs., same basis..lb. .28 - —
Brazilwood extract (see Hypernic).
Bromoform, USP, bots.....lb. 1.50 - —
cbys.....lb. 1.42 - —
Bromstyrol .....lb. 5.20 - 5.25
Bronze powder, aluminum (see A).
Gold, litho., cns., dms., works. lb. .60 - .65
moulding, cns., dms., same basis..lb. .80 - 1.00
printing ink, cns., dms., same basis..lb. .95 - 1.20
radiator, cns., dms., same basis..lb. .45 - .50
Broomtop, bls.....lb. .14 - .15
Brown, iron-oxide, pure, precip., cks., works..lb. .12 - —
Metallic, bbls., c.l., works..lb. .02½- —
Sap, crystals, works.....lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., works..lb. .03¾- .05
pap. bgs., c.l., same basis. lb. .0235- —
Italian type, bbls., works. lb. .03¾- .10¾
raw, American, bbls., works. lb. .04 - .10
Italian type, bbls., works. lb. .08 - .10
Umber, burnt, American, bbls., works..lb. .03¾- —
Italian-type, bbls., works.lb. .04¾- —
Turkey-type, bbls., c.l., Boston, Bethlehem, Easton, Pa.; N. Y..lb. .04¾- —
St. Louis, Chicago, Indianapolis, New Orleans..lb. .05½- —
Minneapolis .....lb. .0535- —
Pittsburgh .....lb. .05 - —
ex car, Los Angeles..lb. .05½- —
Portland, San Francisco, Seattle..lb. .05½- —
ex whse, Los Angeles. lb. .05¾- —
Portland, San Francisco, Seattle..lb. .05¾- —
Vandyke, reg., bbls., works..lb. .09 - —
special, bbls., works.....lb. .12 - —
Brucine, cns., 100 ozs.....oz. .35 - —
Sulphate, cns., 100 ozs.....oz. .30 - —
Bryonia root, bls.....lb. .60 - .65
Buchu leaves, bls.....lb. .82 - .85
Buckthorn bark, bls.....lb. .45 - .46
Berries, bgs.....lb. .60 - .70
Burdock root, bls.....lb. .30 - .31
Burgundy pitch, dom., dms...lb. .08 - —
Butane,[1] indust., tanks, Group 3. gal. .03½- —
Butyl acetate, normal,[1] ferment, Ill., Ind., prod., dms., c.l., frt. alld. E. of Miss. R. lb. .1860- —
l.c.l., same basis.....lb. .1910- —
tanks, same basis.....lb. .1760- —
tankwagon, same basis..lb. .1810- —
other production dms., c.l., same basis..lb. .1900- —
l.c.l., same basis....lb. .1950- —
tanks, same basis....lb. .1800- —
synthetic, dms., c.l., same basis. lb. .11¾- —
l.c.l., same basis.....lb. .12¼- —
tanks, same basis.....lb. .10¾- —
secondary,[1] dms., c.l., dlvd. E. of Miss. R..lb. .09½- —
l.c.l., same basis.....lb. .10 - —
tanks, same basis.....lb. .08½- —
Normal butyl acetate, W. of Miss. R., ½c per lb. higher.
Butyl aldehyde, dms., c.l., works. lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ether (see Ether, butyl).
Lactate, dms., works.....lb. .26½- —
Laurate, dms., works.....lb. .42 - —
Myristate, dms., works....lb. .41 - —
Oleate, ref., dms., l.c.l., works. lb. .35 - —
tech., dms., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .24½- .25½
Phenylacetate, dms.....lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., dlvd.....lb. .16½- .17
tanks, dlvd.....lb. .15½- —
Stearate, dms.....lb. .31½- —
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., works.....lb. .60 - —

C

Cadmium bromide, bots.....lb. 1.84 - 1.91
jars.....lb. 1.65 - 1.70
Iodide, bots.....lb. 4.23 - —
cns.....lb. 4.09 - —
Lithopone (see Yellow).
Metal,[1] ingots or sticks, dlvd.lb. .90 - —
pat. shapes, cs., dlvd.....lb. .95 - —
Selenide (see Red).
Sulphide (see Yellow).
Caffeine,[2] dms., 100 lbs. or more. lb. 2.80 - 2.85
smaller lots.....lb. 2.95 - 3.25
anhydrous, dms., 100 lbs. or more..lb. 3.00 - 3.05
smaller lots.....lb. 3.15 - 3.45
Citrated, dms., 100 lbs. or more. lb. 1.95 - —
smaller lots.....lb. 2.05 - 2.30
Hydrobromide, bots.....lb. 5.29 - 5.87
Calabar beans, bgs., futures, lb. .60 - .65
Calamus root, natural, dom., bls. lb. .40 - .45
Calciferol, in corn oil, dms., 10,000 units or more, works, unit. .10 - —
1,000 to 10,000 units, works, unit. .11 - —
less than 1,000 units, works, unit. .12 - —
Calcium acetate, bgs., dlvd..... 100 lbs. 3.00 - 4.00
Arsenate, bgs., c.l., whse., wks., frt. alld..lb. .07½- .08
l.c.l., same basis.....lb. .08 - .08½
Bromide, jars.....lb. .65 - .70
Carbide,[2] dms., c.l., works.ton.80.00 - —
dlvd.....ton.87.00 -90.00
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars..lb. .28 - .30
flake, 77-80%, paper bgs., c.l., dlvd..ton.18.50 -35.00
l.c.l., dlvd.....ton.28.50 -45.00
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, 73-75%, dms., c.l., dlvd. ton.18.00 -34.50
l.c.l., dlvd.....ton.28.00 -44.50
Calcium chloride prices vary according to zone; minimum prices are for spot delivery. C.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags; drums, $5.50 per ton over paper bags.
Cyanide, dms., delivered E. of Rockies..lb. .25 - .40
Gluconate, USP, gran., bbls..lb. .52 - —
dms.....lb. .57 - .59
cns.....lb. .70 - —
powd., 2c. per lb. lower.
Glutamate, kgs.....lb. 1.50 - —

Spot Deliveries

MAGNESIUM METAL POWDER High Purity

DICALCIUM PHOSPHATE Pure Food Grade

CAUSTIC POTASH

SODIUM BICHROMATE

INDIAN HEAVY CALCINED MAGNESIA

SODIUM PERBORATE USP

88-92% POWDER SOAP and SOAP FLAKES

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GOLWYNNE CHEMICALS CORPORATION

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Calcium glycerophosphate, fiber dms., 1,000-lb. lots..lb. 1.25 - —
smaller lots.....lb. 1.75 - —
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, edible, dms.....lb. .21 - —
USP, bbls.....lb. .35 - .37
Laurate, bbls.....lb. .28 - .29
Mandelate, USP, dense, fluffy, dms..lb. 2.05 - 2.30
Naphthenate, 4% Ca, 50-gal. dms..lb. .22½- —
Pantothenate, dex., 100-gram bots..per gram. .10 - —
Phosphate, feeding grade, bgs., works..ton.75.00 - —
food grade, bbls., 10 or over, works..lb. .07 - .07¾
less than 10, works.....lb. .08 - .10
medicinal, dibasic, bgs., 100 lbs.11.40 -18.00
monobasic, cryst., bgs., c.l., works, frt. equald..lb. .05¾- —
l.c.l., frt. equald.....lb. .06 - .06½
tribasic, bbls., c.l., works..lb. .0635- —
bgs., l.c.l., works.....lb. .0645- .0680
Resinate, precip., 5.3% Ca, 100-lb. dms..lb. .15½- —
Silicate, hydrated, c.l., bgs., works..lb. .05½- —
l.c.l., works.....lb. .06 - —
Stearate, precip., ctn., c.l., works..lb. .25 - —
l.c.l., works.....lb. .26 - .28
Sulphate (see Gypsum).
Sulphide, 70%, bgs., c.l., works, ton.45.00 - —
80%, bgs., c.l., works....ton.50.00 - —
luminous, tins, works.....lb. 1.00 - —
Calcium, sulphocarbolate, bbls.lb. .49 - .50
Tallate, 3%-4% Ca, 50-gal. dms. lb. .13¼- .19½
Calcium-strontium sulphide, phosphorescent, dms., works..lb. 1.00 - 1.50
fine particle size, works.. lb. 1.50 - 1.75
Calendula flowers, bls.....lb. 2.60 - 2.62
Calomel,[6] bbls., dms.....lb. 2.44 - 2.45
Camphor, natural.....lb. No stocks
synth.,[4] tech., bbls., contract, 2,000 lbs. or more, works.lb. .42 - —
10 bbls. (1,500 lbs.).....lb. .44½- —
5 to 9 bbls.....lb. .45 - —
1 to 4 bbls.....lb. .46 - —
smaller lots.....lb. .48 - .55
USP, gran., powd., bbls., 2,000-lb. lots..lb. .69 - —
1,000-lb. lots.....lb. .70 - —
smaller lots.....lb. .71 - —
tablets, 2,000-lb. lots.....lb. .82 - —
1,000-lb. lots.....lb. .83 - —
smaller lots.....lb. .84 - —
Camphor, monobromated, dms.lb. 3.20 - —
Canada balsam (see Fir balsam).
Cantharides .....lb. No stocks
Capsicum (see Pepper, red).
Capsicum oleoresin, USP VII, cns..lb. 4.50 - 4.65
Caramel coloring, bbls.....gal. .70 - 1.10
Caraway seed,[1] California, Dutch type..lb. .68 - .80
Canadian, bgs.....lb. .68 - .80
Danish, bgs., futures.....lb. .65 - .66
Dutch, bgs., futures.....lb. .69 - .70
Morocco, dewhiskered, futures, bgs..lb. .67 - .68
Spanish, dewhiskered, bgs..lb. No stocks
Syrian, dewhiskered, futures, bgs..lb. .68 - .69
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller lots, works.....lb. .80 - —
95%, dms., ton lots, works...lb. .75 - —
smaller lots, works.....lb. .85 - —
Carbinol, butyl, norm. dms., l.c.l., works..lb. .27 - —
secondary, dms., l.c.l., works. lb. .60 - —
Isobutyl, dms., c.l., works..lb. .22½- —
l.c.l., works.....lb. .23½- —
tanks, works.....lb. .21½- —
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis. lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Tetrachloride,[1] c.p., dms., c.l lb. .07½- —
l.c.l. .....lb. .08 - —
tech., Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .80 - —
l.c.l., frt. alld.....gal. .87 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.04 - —
l.c.l., frt. alld.....gal. 1.14 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .94 - —
l.c.l., frt. alld.....gal. 1.00 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.17 - —
l.c.l., frt. alld.....gal. 1.27 - —
Carbon tetrachloride, tech., Zone 4, 52½-gal. dms., c.l.... .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —
USP, cbys.....lb. .17 - .19

Carbon tetrachloride prices are frt. alld. with the exception of Zone 4, where prices are f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Sales zones are:—1, Conn., Del., Ill., Ind., Ia., Me., Mass., Md., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., O., Pa., R. I., Tenn., Va., W. Va., Wis., and river cities of Burlington, Ia., and Kansas City, Kans., 2, Ala., Ark., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D.; 3, Colo., N. Mex., Tex., and Montana points E. of Billings; 4, Ariz., Cal., Idaho., Nev., Ore., Utah, Wash. and Montana points W. of Billings.

Cardamom,[1] bleached, bold, cs., lb. 1.50 - 1.60
medium, cs.....lb. 1.45 - 1.50
decorticated, Guatemala, cs..lb. .98 - .99
India, cs.....lb. .96 - .97
green, bgs.....lb. .67 - .68
Carotene, cryst., 1,350,000 A units per gm., tins, works, 1,000,000 units. .50 - —
research grade (alpha, 10%; beta, 90%), amps, 100 grams, dlvd..gram. 2.85 - —
50 grams, dlvd.....gram. 2.90 - —
in vegetable oil, 250,000 USP units per gm., bots., works. lb.37.90 - —
50,000 USP units per gm., bots., works..lb. 8.48 - —
dms., works.....lb. 7.68 - —
6,800 A units per gm., tins, works, 1,000,000 units. .55 - —
dms., works..1,000,000 units. .50 - —
3,300 USP units per gm., dms., works..lb. .66 - .71
Carvol, bots.....lb.22.50 -23.00
Cascara sagrada bark, bulk...lb. .43 - .45
Case-hardening mixture, 50% gran., dms., l.c.l..lb. .09¾- —
slabs, dms., l.c.l.....lb. .08¾- —
Casein,[1] dom., acid-precip., bgs., 100 or more, ship't point..lb. .24 - —
20 to 99, same basis....lb. .24½- —
less than 20, same basis. lb. .24¾- —
rennet-precip., bgs., 100 or more, same basis..lb. .25½- —
20 to 99, same basis....lb. .25¾- —
less than 20.....lb. .26¼- —
imp., acid-precip., ground, bgs., 100 bgs. or more..lb. .21 - .22
rennet-precip., unground, bgs., 100 bgs. or more..lb. .22½- .24½
Cassia,[1,7] China, buds, bgs., futures..lb. .46 - .47
rolls, selected, cs., futures, lb. .47 - .48
extra select, broken, bls., futures..lb. .46 - .47
Cassia fistula, bskts.....lb. .26 - .28
Castor beans,[7] bgs., Brazilian ports..long ton.66.00 -67.00
Oil (see Oil, castor).
Pomace,[1] bgs., c.l., works..... unit-ton. 2.90 - —
Castoreum, nat., cns.....lb.12.00 -13.00
synth, bots.....lb.10.00 - —
Catechol, CP, cryst., works, fib. dms., frt. alld..lb. 1.90 - —
resublimed, works, frt. alld., dms..lb. 3.25 - —
Catnep, bls.....lb. .50 - .55
Celery seed,[1] French, bgs.....lb. No stocks
Indian, bgs.....lb. .21 - .21½
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more..lb. .30 - —
granules, ctns., same basis.lb. .35 - —
Acetate-butyrate, flake, high (36.5%) butyryl content, 50-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works....lb. .48 - —
medium (15.5 or 17.0%), 50 lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.. lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs., works....lb. .46 - —
Granules are 5c. per lb. higher, all quantities.
Acetate-propionate, flake, high (31.5% propionyl content), 50-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works...lb. .48 - —
Granules are 5c. per lb. higher, all quantities.
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more. lb .30 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .32 - —
kgs., works.....lb. .37 - —
Oxide, optical grade, kgs., 100-lb. lots, works..lb. 1.50 - —
bgs., smaller lots, works.lb. 2.00 - —
Chalk, precipitated, cosmetic, dentifrice, and drug, bgs., c.l., works..lb. .02¾- —
paint and other industries, bgs., c.l., works..ton.40.00 - —
papermakers, bgs., c.l., works. ton.23.50 - —
rubbermakers, bgs., c.l., works ton.30.00 - —
Chamomile, Hungarian type, cs. lb. .52 - .53
Roman, bls., futures.....lb. 1.75 - 1.85
Charcoal, hardwood, lump, bulk, c.l., works..ton.31.25 - —
bur. bgs., ret., c.l., works. ton.31.00 -33.75
briquets, bulk, c.l., works... ton.35.00 - —
bgs., c.l., works.....ton.40.00 -41.00
granular, all grades, bgs., incl., works..ton.44.00 - —
screenings, bur. bgs., ret., c.l., works..ton.23.65 - —
Pinewood,[1] lump, bgs., c.l., Southern shipping points... ton.30.00 - —
granular, powd., bgs., c.l., works, South..ton.30.20 - —
l.c.l., works.....ton.41.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract,[1,6] standard 25% tannin, bbls., c.l., works..100 lbs. 3.23 - 3.55
l.c.l., works.....100 lbs. 3.47 - 3.80
tanks, works.....100 lbs. 2.62 - 2.95
powdered, 65% tannin, bags extra, c.l., works..100 lbs. 7.46 - 8.22
l.c.l., works.....100 lbs. 8.21 - 9.07
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 200 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works....ton.16.00 - —
bulk, c.l., works.ton. 7.60 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50

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These PHYSICAL PROPERTIES May Suggest Other Uses	
Appearance	Colorless, mobile liquid
Formula	$C_5H_8O_2$
Molecular Weight	100.06
Boiling Point (760 mm.)	205-206.5° C.
Flash Point (Cleve. Open Cup)	205° F.
Fire Point (Cleve. Open Cup)	220° F.
Crystallizing Point	−37° C.
Specific Gravity at 25/25° C.	1.0518
Refractive Index at 25° C.	1.4301
Surface Tension at 25° C.	39. dynes/cm.
Viscosity at 25° C.	2.18 Centipoises
pH (Anhydrous)	7.0
pH of 10% Solution in Distilled H_2O	4.2

China clay, domestic, wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works.ton.12.50 - —
import, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila..ton.19.00 -24.00
powd., cks.,l .c.l., ex whse.ton.41.00 -
Chloral hydrate, jars.....lb. .93 - .98
dms. .....lb. .90 - .95
Chlorinated rubber,[6] standard, ctns., 100 lbs. up, works.lb. .32 - —
smaller lots, works.....lb. .35 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Chlorine, liquid, cyls., c.l....lb. .05½- —
contracts .....lb. .05¼- —
l.c.l. .....lb. .07¼- —
tanks, single units, works, frt. equald..100 lbs. 1.75 - —
multiple units, 3 or over, works, frt. equald..100 lbs. 2.00 - —
2, wks., frt. equald.100 lbs. 2.50 - —
1 wks., frt. equald.100 lbs. 3.00 - —
Chloroform, tech., dms.....lb. .20 - .23
USP, dms.....lb. .30 - .33
Chloropicrin, com'l, 180-lb. cyl.. 100-lb. cyls., same basis...lb. .32 - —
25-lb. cyls., ex whse.....lb. 1.00 - —
1-lb. bots., ex whse.....lb. 1.25 - —
Choline chloride, fib. dms.....lb. 3.00 - 3.10
Dihydrogen citrate, fib. dms.lb. 3.00 - 3.10
Chrome acetate, powd., 23% Cr., bbls., works..lb. .32 - .34
ton lots, works.....lb. .30 - .32
solut., 8%, bbls., cs.....lb. .07½- —
7½%, bbls., cs.....lb. .06½- —
Fluoride, bbls., wks.....lb. .24 - .27
Cake, bulk, c.l., works.....ton.16.00 - —
Ore,[1] residue, paper bgs., c.l., works..ton.15.00 - —
Oxide (see Green, chrome oxide).
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, bots.....lb. 6.02 - 6.09
Cinchona bark,[6] red, quill, USP, 10 in., cs..lb. 1.20 Nom.
Cinchonidine,[6] small, cryst., cns., 100 ozs..oz. No prices
Sulphate, NF, cns.. 100 ozs..oz. No prices
Cinchonine,[6] small, cryst., cns., 100 ozs..oz. No prices
large, cryst., cns., 100 ozs..oz. No prices
Sulphate, NF, cns., 100 ozs..oz. No prices
Cinchophen, NF, heavy, dms..lb. 3.70 - 3.80
standard, dms.....lb. 3.50 - 3.60
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., dms...lb. .85 - .95
Cinnamon,[1,7] Ceylon, O, bls., fractures..lb. .5202- —
OO, bls., futures.. .....lb. .5320- —
OOO, bls., futures.....lb. .5407- —
OOOO, bls., futures.....lb. .5494- —
No. 1, bls., futures.....lb. .5145- —
2, bls., futures.....lb. .5058- —
3, bls., futures.....lb. .4958- —
4, bls., futures.....lb. .4858- —
Citral, bots., cns.....lb. 4.50 - 6.50
Citrine ointment, jars.....lb. .96 - 1.15
Citronellal, bots., dms.....lb. 2.75 - 3.25
Citronellol, bots., dms.....lb. 6.00 - 6.75
Clove,[1] Madagascar, bls.....lb. .15½- .16
futures, bls.....lb. .16 - .16½
Zanzibar, bls.....lb. .17¼- .17¾
futures, bls.....lb. .17 - .17½
Clover tops, red, dom., bgs...lb. .50 - .55
imported, bgs.....lb. No stocks
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 8.25 - —
l.c.l., works.....bbl. 8.75 - —
tanks, works.....gal. .07½- —
refd., bbls., c.l., works...bbl. 8.75 - —
l.c.l., works.....bbl. 9.25 - —
tanks, works.....gal. .06½- —
water-gas, crude, dms., c.l., works..bbl. 8.25 - —
l.c.l., works.....dm. 8.75 - —
refd., dms., c.l., works...dm. 9.25 - —
Cobalt acetate,[6] bbls., kgs., dlvd., lb. .63½- —
feed grade, 49.5% Co, kgs..lb. 1.25 - —
Carbonate,[6] powd., bgs., works, lb. 1.68 - —
feed grade, 23% Co, kgs...lb. 1.85 - —
Chloride, kgs., works.....lb. .87½- —
feed grade, 24.5% Co, kgs..lb. 1.25 - —
Hydrate,[6] bbls.....lb. 2.04 - —
feed grade, 62% Co, kgs...lb. 2.25 - —
Linoleate, paste, 5%, dms....lb. .32 - .35
solid, 8½%, dms.....lb. .44 - —
Nitrate, feed grade, 20.4% Co, kgs..lb. 1.25 - —
Oleate, bbls.....lb. .44 Nom.
Oxide,[6] black, kgs.....lb. 1.84 - —
Phosphate, feed grade, 34% Co, kgs..lb. 1.75 - —
Resinate, precip., 7.5% Co, 100-lb. dms..lb. .38½- —
Soyate, 8%-8.5% Co, 50-gal. dms..lb. .42 - .44
Sulphate,[6] dms.....lb. .85 - —
feed grade, 21% Co, kgs....lb. 1.00 - —
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland or New York.
Cobalt-ammonium sulphate, 14% Co, kgs..lb. .75 - —
Cocaine hydrochloride, 100-oz. lots, cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .46 - .47
silver, Teneriffe, bgs.....lb. .47 - .48
Cocoa butter,[1,7] bulk, ship. pt..lb. .25 - —
Cocillana bark, bgs.....lb. No prices
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs.oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls.....lb. .18 - .19
blue, bls.....lb. .22 - .23
Colchicine, bots., cns.....oz. No stocks
Colchicum seed.....lb. No stocks
Collodion, USP, dms.....lb. .19½- .20½
cns. .....lb. .23 - .24½
Flexible, USP, dms.....lb. .21 - .23
cns. .....lb. .25 - .31
Colocynth pulp, bls.....lb. .55 - .60
Colombo root, bls.....lb. .16½- .17
Coltsfoot leaves, bgs.....lb. No stocks
Condurango bark, bgs.....lb. .12 - .15
Copaiba balsam, Para, cns....lb. No stocks
S. A., USP, cns.....lb. 1.00 - 1.10
Copper acetate, cupric, bbls., works..lb. .25¼- —
smaller containers, wks....lb. .27 - —
Carbonate, 52-54%, bbls.....lb. .19½- .20½
Chloride, anhyd., bbls.....lb. .22½- .23
, crystals, bbls.....lb. .14½- .17
Cyanide, tech., bbls.....lb. .34 - .38
Iodide, bots.....lb. 5.15 - 5.19
Metal,[1] electrolytic.....lb. .12 - .12½
Naphthenate, 6%-8% Cu, 50-gal. dms..lb. .15 - .17
Nitrate,[1] tech., cryst., bbls..lb. .19½- .20½
Oleate, precip., bbls.....lb. .22½- .23½
Oxide, black, bbls., works...lb. .19 - .20
red, com'l, bbls., works....lb. .21 - .24½
Oxychloride-sulphate,[6] bgs...lb. .17 - .20
Resinate, precip., 8.3% Cu, 125-lb. dms..lb. .13½- .16
Sulphate,[1] 99%, cryst., bgs., c.l., works..100 lbs. 5.00 - —
l.c.l., 700 to 36,000 lbs.. 100 lbs. 5.00 - 5.88
monohydrated, bgs., in dms., 36,000-lb. lots, dlvd..100 lbs.10.20 - —
smaller lots, dlvd..100 lbs.10.95 - —
dms., c.l., dlvd.....100 lbs. 8.95 - 9.20
l.c.l., dlvd.....100 lbs. 9.95 -10.20
Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
l.c.l., works.....100 lbs. 1.85 - 2.00
bbls., c.l., works.....ton.20.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra,[7] Coast, ship't.....lb. No prices
Coriander[1] seed, Argentine, bgs. lb. .09¾- .10¼
Indian, bgs.....lb. No stocks
Morocco, bgs.....lb. .10 - .11½
Corn silk, bls.....lb. .45 - .46
Corn sugar, tanners, chipped, bgs., c.l., dlvd..100 lbs. 3.905 - —
slabs, bbls., c.l., dlvd.... 100 lbs. 3.825 - —
Syrup, 42°, bbls., c.l., dlvd. 100 lbs. 4.221 - —
43°, bbls., c.l., dlvd..100 lbs. 4.27[3] - —
Corrosive sublimate,[6] cryst., dms., 50 lbs. or more..lb. 2.07 - —
gran., powd., dms., 50 lbs. or more..lb. 1.92 - —
Cottonroot bark, bls.....lb. .22 - .25
Cottonseed hull ash, 32-36% pot-ash, bgs., dlvd..unit-ton. 1.20 - —
Meal,[1,7] 41% protein, bulk, Memphis, c.l..ton.45.00 -49.75
Coumarin,[1] cns., 5 lbs. or more.. lb. 2.75 - —
smaller lots.....lb. 2.90 - 3.10
Cramp bark, NF, bls.....lb. .80 - .81
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship't..lb. .57¼- —
smaller lots, bbls., kgs., lb. .53 - .56½
imported, bbls.....lb. .50 - .55
Creosote carbonate, bots., cbys., lb. 2.10 - 2.39
Coaltar (see Cresol).
Oil,[2] coaltar, crude, tanks, works..gal. .15½- —
refined, dms., c.l., works, gal. .247 - .3625
l.c.l., same basis....gal. .26 - .35
tanks, same basis....gal. .18 - .16½
solution, tanks, works....gal. .141 - —
Wood, beech, bots., cbys....lb. .85 - 1.04
Hardwood, USP, bots.....lb. .60 - .77
Pine, dms.....gal. .28 - —
Cresol,[1,6] special resin grades, dms., c.l., works, frt. equald., lb. .09½- .10½
l.c.l., same basis.....lb. .10 - .11
tanks, same basis.....lb. .08¾- .09¾
USP, dms., c.l., same basis..lb. .10¾- .11¾
l.c.l., same basis.....lb. .11¼- .11¾
tanks, same basis.....lb. .10 - .10½
Crotonaldehyde, 97%, l.c.l., 55 and 110-gal. dms..lb. .15 - —
5 and 10-gal. dms., works.. lb. .16 - —
Cryolite, nat.,[4] bgs., bbls., c.l., works..100 lbs. 9.50 - 9.75
bbls., l.c.l., works.....100 lbs.10.00 - —
synth.,[4] bgs., bbls., c.l., frt. alld. E. of Miss. R..lb. .06½- —
l.c.l., works.....lb. .09¼- —
Cube root, 5% rotenone, bbls., works..lb. .40 - —
4% rotenone, bbls., works..lb. .32 - —
Cubeb berries, XX, bgs.....lb. No stocks
powd., cs.....lb. No stocks
Culver's root, bls.....lb. .25 - .29
Cumin seed, Cyprus, bgs.....lb. No stocks
Indian, bgs, futures.....lb. .34 - .35
Morocco, bgs.....lb. No stocks
Syrian, bgs.....lb. .40 - .41
Cutch, bgs.....lb. No stocks
Cyanamid,[2] fertilizer mixing grades, guaranteed, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, bulk, unit-ton. 1.62½- —
21% N., pulv., bgs., same basis..unit-ton. 1.82½- —
Cyclohexane, tech., dms., c.l., works..lb. .10½- —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09½- —
Cyclohexanol, 98 - 100%, dms., works..lb. .21 - .23
Cyclohexanone, 97½% min., dms., c.l., works..lb. .30 - .32
tech., dms., c.l., works.....lb. .30 - —
l.c.l., works.....lb. .30½- —
tanks, works.....lb. .29 - —
Cyclopropane, USP, cyls., dlvd., gal. .37 - —

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Damiana leaves, bls.....lb. .45 - .48
Dandelion root, bls.....lb. .70 - .75
DDT, fiber, dms., c.l., works..lb. .45 - —
ton lots, works.....lb. .50 - —
tins, smaller lots, works..lb. .55 - .60
Decanol, normal, tech., dms., dlvd..lb. .25 - —
Deertongue, bls.....lb. .34 - .38
Defluorinated phosphate,[1] paper bgs., works..ton.34.25 - —
Degras,[1] common, bbls.....lb. .10 - .12
neutral, less 5% ffa, bbls....lb. .23 - .30
over 5% ffa, bbls.....lb. .29½- .30½
Derris root (see Cube root).
Dextrin, British gum, bgs., c.l.. 100 lbs. 5.25 - —
Chicago .....100 lbs. 4.95 - —
l.c.l. .....100 lbs. 5.25 - —
Chicago .....100 lbs. 5.05 - —
Corn, canary, bgs., c.l..100 lbs. 5.04 - —
Chicago .....100 lbs. 4.65 - —
l.c.l. .....100 lbs. 5.14 - —
Chicago .....100 lbs. 4.75 - —

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U.S.I. CHEMICAL NEWS

December ★ A Monthly Series for Chemists and Executives of the Solvents and Chemical Consuming Industries ★ 1945

New Low-Cost Alkyd Meets Current Need For Non-Quota Resin

S&W Aroplaz 1379 Is Versatile Resin Having High Phthalate Content

To answer the current urgent need for resins made from raw materials that are exempt from existing oil and rosin quotas, U S.I offers its new alkyd resin, Aroplaz 1379. A modified alkyd of medium-to-short oil length, "1379" is suitable for use in a variety of air-drying and low-temperature baking finishes, such as those for metal cabinets, toys, hardware and implements. It can also be used satisfactorily in metal primers and low-cost finish coats. and as a general utility vehicle.

Finishes made with S&W Aroplaz 1379 air-dry hard overnight an l bake hard in one hour at 200° F To obtain the best drying rates, finishes should be aged from 48 to 72 hours.

High in Phthalate

Although S&W Aroplaz 1379 is a very low cost vehicle, it has a high phthalate content and performs remarkably well in all but top-

(*Continued on next page*)

SPECIFICATIONS

Solution:	49-51% Solids in Mineral Spirits
Viscosity (G.H.):	X-Z
Color (G.H. 1933):	10-12
Acid value (solvent free basis):	10-16
Wt /gallon @ 25°C.:	7 7-7 8 lbs.
Oil Content (solvent free basis):	No reportable oil
Phthalic Anhydride (solvent free basis):	33%

Solubility: Complete in all petroleum and coal-tar hydrocarbons. Insoluble in ethyl alcohol. Compatible with many alkyds, varnishes and drying oils of low and medium viscosity.

Color Printing Saved by Yellows That Now Outperform Chromes

Ink Makers Plan to Continue Use of Benzidine Yellows Because of Their Lower Cost and Improved Workability

Well up among the war-born "substitutes" that have won a permanent place in American chemistry are the benzidine yellows, which, ink manufacturers say, literally saved multi-color during the war. Synthesized from acetoacetanilide and other U.S.I. "arylides", these benzidine dyestuff pigments, have demonstrated cost and pressroom advantages which will assure continuance of their use despite the return of prewar chrome yellows.

High Tinctorial Strength

Chief reason for the superiority of the new synthetic colors, according to one of the country's largest ink manufacturers, is their extremely high tinctorial strength—ten, perhaps more, times that of chromes. This high strength more than offsets the per-pound price differential between the two types of dyestuff.

From 6 to 66 America has adopted Superman, Dick Tracy and other "comics" as part of the family. Thanks to the new benzidine yellows America could follow them—in color—throughout the war.

In addition, it means that the ratio of pigment to vehicle is tremendously reduced. This fact, coupled with the smaller crystal size of the benzidine pigment, makes for a marked improvement in the workability of the final ink. The tendency for the pigment to separate and "pile" on the printing plates is eliminated. The ink flows and handles more easily.

The new dyestuffs are non-bleeding in water, and in dilute acids and alkalies. They are also quite resistant to melted paraffin, alcohol and other common solvents, except chloroform.

Good for Majority of Inks

Only disadvantages of the new yellows are their lack of opacity and their tendency to fade on long exposure to strong light. According to the ink manufacturer, however, both of these disadvantages are unimportant in the vast majority of cases. Currently, opacity is being obtained by the addition of small amounts of white pigment or chrome. In the future, when printing papers return to their prewar whiteness, there is expected to be less and less demand for opacity in the yellow

(*Continued on next page*)

Redwood Seen as Source Of Oxidation Inhibitors

Products derived from redwood chips have been found to be effective inhibitors of autoxidation in paraffin hydrocarbons, according to a recently presented technical paper.

The most effective of the products tested was purified redwood tannin prepared by extracting redwood with warm water and then dissolving the active tannin fraction in ethyl acetate. The ether-soluble tar and the phenolic fraction obtained by destructive distillation of redwood phlobaphene were also found to be effective inhibitors.

The redwood tannins were said to compare favorably with benzyl-p-aminophenol and catechol in inhibiting action.

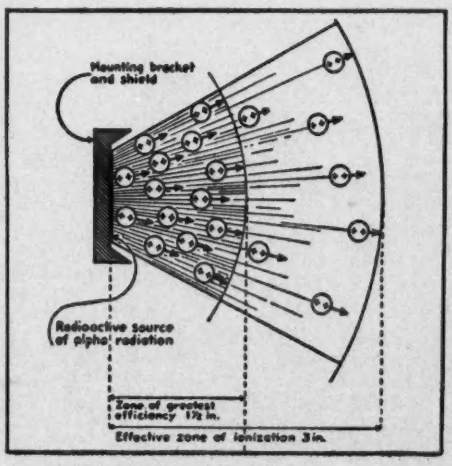
Rejuvenates Electrolyte By Addition of Acetone

Burrs, machine tool marks, roughness and other processing blemishes are sometimes removed from metal parts by a brightening electrolytic process employing a glycerine-hydrochloric acid electrolyte. Such electrolytes tend, after extended use, to become degenerated. A recent patent covers a method for rejuvenating such degenerated baths, by adding acetone in amounts up to 10 per cent of the volume of the bath.

New Radio-Active Device Eliminates Static Problems in Industrial Processes

A new radio-active device promises to afford an astonishingly simple way to end the fire hazards and production obstacles which static electricity presents in many manufacturing processes. This radio-active device uses alpha rays, given off by radium, to ionize the air near points where friction generates static. The ionized air, a conductor of static electricity, bleeds this unwanted static harmlessly off to ground.

The static eliminator consists of foil, impregnated with a radio-active material, which is attached by bonding to a non-radio-active, heavier metallic backing. This assembly is attached to the machine at the proper points. No other changes in the machinery are needed, and it is claimed that no unusual precautions need be taken to protect shop personnel, and service poses no problem.


Mounting bracket and shield
Radioactive source of alpha radiation
Zone of greatest efficiency 1½ in.
Effective zone of ionization 3 in.

ADVERTISEMENT—*This entire page is a paid advertisement.*

December ★ **U.S.I. CHEMICAL NEWS** ★ 1945

New Low-Cost Alkyd

(Continued from preceding page)

grade whites. It is rated "fair" in color, color retention and flexibility. The latter characteristic, however, can be improved where desired by adding 5 to 10 per cent of Q-body linseed oil (or other oils, vehicles or alkyds). Zinc oxide and similar reactive pigments should be avoided.

Samples are available upon request.

Drug Intermediate Made By New Claisen Reaction

A patent of recent issue describes an improved method of preparing 4-methyl phenyl acetone, an intermediate used in the preparation of therapeutic agents. Ethyl acetate and 4-methyl benzyl cyanide are reacted in the presence of sodium ethoxide to form alpha-(4-methyl phenyl)-acetoacetonitrile. Saponification of the cyano group yields 4-methyl phenyl acetone.

One use described for the intermediate is the preparation of alpha-(4-methyl phenyl)-beta methylamino-propane, a sympathomimetic producing effects similar to those of benzedrine.

Mixed Solvents Boost Soya-Bean Oil Yield

A writer in a British chemical magazine outlines a method for increasing the extraction of soya-bean oil. While 95 per cent ethanol will extract only 12 per cent, the addition of 10 per cent trichlorethylene boosts the yield to 50 per cent.

The less-inflammable, mixed solvent is completely miscible with all concentrations of soya-bean oil when heated. After it cools, the solution extract separates into a top layer of practically pure ethanol and trichlorethylene, which may be reused as it is, and a lower layer containing 50 per cent soya-bean oil.

"Arylide" Dyes

(Continued from preceding page)

ink. Traditionally, the yellow ink has had to be opaque because it is the first color printed; but if the paper itself is of good whiteness, there is no more reason for the yellow to be opaque than for the red and blue which are transparent.

As to light-fastness, it is the ink makers experience that benzidine yellows are good for "999 out of 1000" applications. Packages which must have long shelf life and billboards which must withstand exposure to direct sunlight are two typical exceptions.

Hansa Yellows

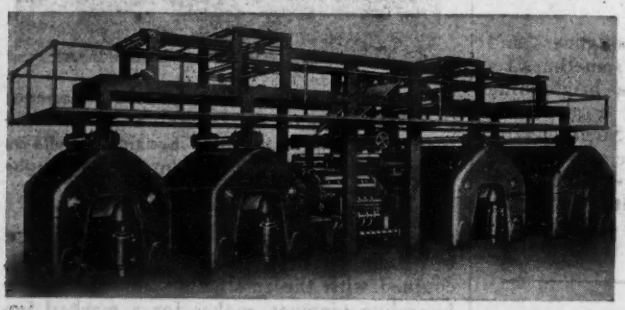
Predecessors of the benzidine yellows, the Hansa yellows have considerably higher fastness to light and are used for jobs to which the newer dyes are unsuited. While somewhat lower in tinctorial strength, the Hansas have the same advantages as the benzidines in making inks which have better flow and work better on the press. Their high resistance to the action of sunlight and alkalies also makes them desirable for use in pigmenting papers and protective coatings.

Synthesis and Tinting

Benzidine yellows are made by combining tetrazobenzidine with one of the acetoacetarylides. Similarly, Hansa yellows are made by coupling "arylides" with diazotized aniline derivatives.

By varying the intermediates used, a great number of yellows can be produced having different shades and fastness to various agents. However, current practice is to make just a few benzidine yellows and then tint them with reds or oranges to produce the desired shade.

U.S.I. has developed some 14 different arylides of widely varying properties. Specifications on these intermediates may be obtained by writing to U. S. Industrial Chemicals, Inc.



The swing is to color! This up-to-the-minute press is especially designed to permit addition of color in newspaper printing, when desired. Chances are, the inks run on it will contain some U.S.I. products — resins, solvents, or dyes made from U.S.I. intermediates.

TECHNICAL DEVELOPMENTS

Further information on these items may be obtained by writing to U.S.I.

Removing rust without sandblasting is the purpose of a new solution said to work by disintegrating the rust, and at the same time fortifying the metal against further corrosion. **(No. 007)**

USI

To recover paint and lacquer from spraybooths, and reclaim it for re-use, a new process is described as being highly economical and to require neither special skill nor special equipment. **(No. 008)**

USI

To handle dangerous acids safely, a new durable corrosive-resistant pump has been designed to remove acids from carboys without the use of air pressure. The plastic pump is reported to fit carboys of from 5 to 13 gallons capacity. **(No. 009)**

USI

A stamping ink for slick surfaces, developed especially for marking plastics, may also be used on almost any highly-polished surface, according to claims of its manufacturer. It is further stated that the ink is heat-proof and weather-proof. **(No. 010)**

USI

To clean leather, a new detergent is offered which is described as being both a cleaner and a toner. It is said to contain no chemicals harmful to leather. **(No. 011)**

USI

Joining thermoplastics to each other as well as to paper, and other surfaces, is the advertised function of a new adhesive. **(No. 012)**

USI

Synthetic, fungus-resistant cord is offered for electrical assemblies, lacing and other applications where it is subject to attack by fungus water, oils or flame. **(No. 013)**

USI

A plastic film, intended for use in pocketbooks and similar articles, is announced as being washable, flexible, tough, and resistant to most chemicals and to fire. A wide choice of colors is offered. **(No. 014)**

USI

To test plastics, a deflectometer is designed to record the amount of bend automatically on a stress-strain recorder, and to be usable on plastics of greatly varying rigidity, as it permits the operator to magnify recorded deflection by 5, 10, 20, 50, 100 or 200. **(No. 015)**

USI

To clean cement, a new detergent is formulated to penetrate the pores, emulsify grease and oils and, under continued use, to bleach the cement surface. **(No. 016)**

USI

Synthetic orange pigment, said to have outstanding qualities of light and chemical resistance, is offered in limited quantities for research. Its suitability for paper-making applications is stressed. **(No. 017)**

USI

U.S.I. INDUSTRIAL CHEMICALS, INC.

60 EAST 42ND ST., NEW YORK 17, N. Y. U.S.I. BRANCHES IN ALL PRINCIPAL CITIES

ALCOHOLS
Amyl Alcohol
Butanol (Normal Butyl Alcohol)
Fusel Oil—Refined
Ethanol (Ethyl Alcohol)
Specially Denatured—all regular and anhydrous formulas
Completely Denatured—all regular and anhydrous formulas
Pure—190 proof, C.P. 96%, Absolute
*Super Pyro Anti-freeze
*Solox Proprietary Solvent
***ANSOLS**
Ansol M
Ansol PR

ACETIC ESTERS
Amyl Acetate
Butyl Acetate
Ethyl Acetate
OXALIC ESTERS
Dibutyl Oxalate
Diethyl Oxalate
PHTHALIC ESTERS
Diamyl Phthalate
Dibutyl Phthalate
Diethyl Phthalate
OTHER ESTERS
*Diatol
Diethyl Carbonate
Ethyl Chlorotormate
Ethyl Formate

INTERMEDIATES
Acetoacetanilide
Acetoacet-ortho-anisidide
Acetoacet-ortho-chloranilide
Acetoacet-ortho-toluidide
Acetoacet-para-chloranilide
Ethyl Acetoacetate
Ethyl Benzoylacetate
Ethyl Sodium Oxalacetate
ETHERS
Ethyl Ether
Ethyl Ether Absolute—A.C.S.
FEED CONCENTRATES
*Curbay B-G
*Curbay Special Liquid
*Vacatone 40

ACETONE
Chemically Pure
RESINS
S&W Ester Gums—all types
S&W Congo Gums—raw, fused & esterified
S&W *Aroplaz—alkyds and allied materials
S&W *Arofene—pure phenolics
S&W *Arochem—modified types
S&W Natural Resins—all standard grades
OTHER PRODUCTS
Collodions
Ethylene Glycol
Nitrocellulose Solutions
Ethylene
*Indalone
Urethan

*Registered Trade Mark

white, bgs., c.l.....100 lbs. 4.97 - —
Chicago .....100 lbs. 4.61 - —
l.c.l. .....100 lbs. 5.07 - —
Chicago .....100 lbs. 4.71 - —
Potato, bgs., c.l.....lb. .10 - —
l.c.l. .....lb. .10¼- .11¼
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grades, bots..lb. 5.50 - 5.55
laboratory grade, bots.....
100 grams. 4.50 - —
tech., bots., works.....lb. 8.00 - —
Diamyl ether (see Amyl ether)
Phthalate,[6] dms., c.l., divd..lb. .2170- .2200
l.c.l., divd.....lb. .2220- .2260
tanks, divd.....lb. .2070- .2100
Sulphide, l.c.l., dms., works.lb. .25 - —
Diatomaceous earth, dom., CP, bgs., c.l., Atlantic coast..lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
nat., bgs., c.l., Pacific coast.
ton.22.00 -25.00
l.c.l., ex whse.....ton.45.00 - —
purified, bgs., c.l., Atlantic coast..ton.55.00 -59.00
l.c.l., ex whse.....ton85.00 -90.00
Diatomaceous earth, imported, Algerian, bgs., c.l., Atlantic coast..ton. No prices
Mexican, white, bgs., c.l., Atlantic coast..lb. .03 - .04
l.c.l. .....lb. .04 - .05
Dibutyl phthalate,[6] 5-gal. cns., works..lb. .2250- .2300
1-gal., cns., works.....lb. .2530- .2150
dms., c.l., works.....lb. .1770- .1800
l.c.l., works.....lb. .1820- .1860
tanks, works.....lb. .1670- .1700
Sebacate, dms., c.l., works..lb. .4800- .5075
l.c.l., works.....lb. .4850- .5125
tanks, works.....lb. .4600- .4875
Tartrate, dms., works, frt. alld. lb. .93 - 1.00
Dibutylamine, dms., c.l., works..lb. .68 - —
l.c.l., works.....lb. .69 - —
Dichlorodiphenyltrichloroethane (see DDT)
Dichloroethyl ether,[6] purified, dms., c.l., works, frt. equald with So. Charleston..lb. .16 - —
l.c.l., same basis.....lb. .17 - —
tanks, same basis.....lb. .15 - —
Diethanolamine,[6] dms., c.l., frt. alld. in E..lb. .23½- —
l.c.l., same basis.....lb. .24½- —
tanks, same basis.....lb. .22½- —
Diethyl carbonate, com'l, dms.lb. .25 - —
refd., 90%, dms.....lb. .30 - —
Oxalate, dms., c.l., divd.....lb. .20½- —
l.c.l., divd.....lb. .21 - —
Phthalate,[6] dms., c.l., divd.lb. .2025- .2130
l.c.l., divd.....lb. .2075- .2170
tanks, divd.....lb. .1925- .2050
Sulphate, dms., c.l., works...lb. .14 - —
l.c.l., works.....lb. .15 - —
tanks, works.....lb. .13 - —
Diethylamine, dms., c.l., works.lb. .44 - —
l.c.l., works.....lb. .46 - —
tanks, works.....lb. .40 - —
Diethylaminoethanol, dms., l.c.l., works, frt. alld. E. of Miss. R..lb. .75 - —
Diethylanilin, dms.....lb. .40 - —
Diethyleneglycol, dms., c.l., frt. alld. in E..lb. .14 - —
l.c.l., same basis.....lb. .15 - —
tanks, same basis.....lb. .13 - —
Monobutylether, dms., c.l., works..lb. .22 - —
l.c.l., works.....lb. .23 - —
tanks, works.....lb. .21 - —
Monoethylether, dms., c.l., wks. lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Digitalis leaves, dms.....lb. 1.10 - 1.15
Diglycol laurate, dms.....lb. .8- - .82
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Dihydroxydichlorodiphenylmethane, dms., works or N.Y. met.lb. .95 - 1.00
smaller containers, same basis lb. 1.05 - 1.40
Di-isobutyl ketone, dms., works, lb. .19 - —
Dilseed, natural cleaned, bgs., lb. No stocks
decorticated, bgs.....lb. .13 - .13½
dewhiskered, bgs.....lb. .08¾- .09¾
Dimethyl phthalate,[6] dms., c.l., divd..lb. .18¾- —
l.c.l., divd.....lb. .19¼- —
tanks, divd.....lb. .17¾- —
Dimethylamine, dms., c.l., divd. lb. .85 - —
l.c.l., divd.....lb. .90 - —
Dimethylanilin, dms., c.l.....lb. .21 - —
l.c.l. .....lb. .22 - —
Dinitrobenzene, bbls.....lb. .16 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .36
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .13 - —
oily, dms.....lb. .05 - —
Diorthotoluolguanidin,[6] dms., ton lots, divd..lb. .44 - —
smaller lots, divd.....lb. .46 - .47
Dioxan, dms., c.l., frt. alld..lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene,[1] destructive dist., dms., divd. E..gal. .55 - .56
tanks, divd. E.....gal. .45 - —
steam-dist., dms., divd. E..gal. .56 - .58
tanks, divd. E.....gal. .52 - .53
Diphenyl,[6] bbls., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .48 - .50
dms. .....lb. .43 - .45
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin,[6] dms., tons.lb. .36 - —
smaller lots.....lb. .36 - .37
Divi-divi,[1,6] 42% tannin, c.l., U.S. ports, ex dock..ton.65.00 -69.50
Doggrass root, dom., cut, bls.lb. .30 - .35
imp., NF, cut, bls.....lb. .50 - .55
Dogwood, Jamaica, bark, bls..lb. .10 - .11
Dover's powder, USP, cns.....lb. No stocks
Dragon's blood, drops, cs.....lb. .55 - .60
reeds, cs.....lb. No stocks
Dyes, coaltar (certified colors for foods, drugs and cosmetics), 5-lb. lots—
Blue, FD&C, No. 1, cns.....lb.13.00 - —
Green, FD&C, No. 1, cns....lb.13.00 - —
No. 2, cns.....lb.17.00 - —
No. 3, cns.....lb.27.00 - —
Orange, FD&C, No. 1, cns..lb. 2.80 - —
No. 2, cns.....lb. 2.55 - —
Red, FD&C, No. 1, cns.....lb. 5.75 - —
No. 2, cns.....lb. 3.05 - —
No. 3, cns.....lb.17.00 - —
No. 4, cns.....lb. 5.50 - —
No. 32, cns.....lb. 4.05 - —
Yellow, FD&C, No. 1, cns..lb. 3.00 - —
No. 2, cns.....lb. 2.55 - —
No. 4, cns.....lb. 2.55 - —
No. 5, cns.....lb. 3.05 - —
No. 6, cns.....lb. 3.05 - —
Dyes, coaltar (certified colors for drugs and cosmetics)—
Black, D&C, No. 1, cns.....lb. 3.35 - —
Blue, D&C, No. 4, cns.....lb.12.35 - —
Brown, D&C, No. 1, cns....lb.12.35 - —
Green, D&C, No. 5, cns.....lb.12.35 - —
No. 6, cns.....lb.12.35 - —

Dyes, coaltar (certified colors for drugs and cosmetics)—
Orange, D&C, No. 5, cns....lb. 3.35 - —
No. 4, cns.....lb.15.35 - —
No. 10, cns.....lb.15.35 - —
Red, D&C, No. 8, cns.....lb. 2.75 - —
No. 17, cns.....lb. 3.35 - —
No. 18, cns.....lb.15.35 - —
No. 19, cns.....lb.15.35 - —
No. 22, cns.....lb. 3.35 - —
No. 33, cns.....lb.13.35 - —
No. 37, cns.....lb.12.35 - —
Yellow, D&C, No. 7, cns....lb. 3.35 - —
No. 8, cns.....lb. 3.35 - —
No. 11, cns.....lb.10.35 - —
Dyes, coaltar (certified colors for external use drugs and cosmetics)—
Blue, Ext. D&C, No. 1, cns..lb.12.35 - —
Green, Ext., D&C, No. 1, cns. lb.12.35 - —
Red, Ext. D&C, No. 1, cns..lb.10.35 - —
No. 3, cns.....lb.21.35 - —
No. 5, cns.....lb. 7.35 - —
No. 10, cns.....lb.12.35 - —
No. 12, cns.....lb.12.35 - —
Yellow, Ext. D&C, No. 1, cns. lb. 3.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—
26 Chrome yellow, 2G...lb. .05 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .50 - 1.00
105 Lake red C.....lb. .70 - .80
170 Fast red A[6].....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste...lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
203 Chrome blue black U.lb. .35 - .42
204 Chrome black A.....lb. .42 - .45
206 Fast red blue R.....lb. .75 - 1.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
280 Fast cyanin 5R.....lb. .90 - 1.00
290 Chrome black F.....lb. .35 - .38

Dyes, coaltar, for general uses (numbers are those of Colour Index scale)—
304 Paper yellow.....lb. .33 - .90
307 Fast cyanin black B.lb. .80 - .85
326 Direct fast scarlet...lb. 2.00 - 2.25
345 Chyrophenin G.....lb. .58 - .70
383 Direct scarlet B.....lb. 1.15 - 1.30
387 Direct violet B.....lb. 1.00 - 1.30
394 Direct violet N.....lb. .80 - .85
401 Developed black BEN. lb. .45 - .60
406 Direct blue 2B.....lb. .66 - .70
415 Direct orange B.....lb. .60 - .70
419 Direct fast red F....lb. .70 - .75
420 Direct brown M.....lb. .55 - .57
448 Benzo purpurin 4B...lb. .65 - .68
496 Benzo purpurin 10B..lb. .40 - .50
502 Direct azorin G.....lb. .75 - .80
513 Direct blue RD.....lb. .90 - 1.00
518 Direct pure blue 6B..lb. 1.20 - 1.30
520 Direct pure blue.....lb. .56 - 1.00
529 Direct fast black FF.lb. .55 - 1.00
551 Direct black EW.....lb. .50 - .54
580 Direct black RX.....lb. .35 - .45
595 Direct green B.....lb. .50 - .55
594 Direct green G.....lb. .50 - .55
596 Direct brown 3GO...lb. .95 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
666 Acid violet.....lb. 1.00 - 2.00
812 Primulin .....lb. .70 - .72
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble). lb. .32 - .39
1177 Indigo, 20% paste....lb. .15 - .18
Benzo fast black L.lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .45 - 1.00
Sulphur brown.....lb. .25 - .30
Sulphur maroon.....lb. .40 - —
Sulphur tan.....lb. .20 - .30
Sulphur olive.....lb. .25 - .34
Sulphur yellow.....lb. .20 - .30
Zambesi black.....lb. .75 - .80

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
865 Nigrosin derivatives...lb. .36 - .44
Blue—
7075 Alizarin astral base...lb.15.00 - —
1078 Alizarin cyanin, green base..lb. 6.00 - —
Brown—
Brown .....lb. 1.15 - —
Green—
1078 Alizarin cyanin green.lb. 5.00 - —
Green .....lb. .75 - —
Orange—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —
Red—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .65 - —
686 Oil violet.....lb. .80 - —
749 Rhodamine B (oil pink). lb. 2.50 -
1060 Anthraquinone,[6] violet base..lb. 6.00 - —
Yellow—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - 2.00
Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).
Black—
246 Naphthol blue black S.. lb. .50 - —
729 Victoria blue B.....lb. 1.85 - —
861 Indulin .....lb. .97 - —
873 Methylene gray.....lb. 1.30 - —
909 New blue F.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B...lb. 1.00 - —
1180 Indigotin IA.....lb. .95 - —

They got the idea from Crown Can

YES, it's true. From our very beginning we have gone in for personalized service in a big way. Being no chair-warmers, Crown officials spend much of their time in the field. They call on the trade regularly, helping Crown customers with their packaging problems, keeping them hep to the latest canning procedure. What with such service and the fact that we produce cans of highest quality, it is easy to see why we have come along so fast . . . If you'd like to get in on this good thing, just drop us a line.

CROWN CAN
INDEPENDENT AND HELPFUL

CROWN CAN COMPANY • NEW YORK • PHILADELPHIA • Division of Crown Cork and Seal Company, Baltimore, Maryland

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Blue—
714 Patent blue A.....lb. 1.06 - 1.10

Brown—
231 Bismarck brown G...lb. .47 - .62
234 Resorcin brown Y....lb. .95 - —
235 Resorcin dark brown R, lb. .96 - —
832 Bismarck brown R...lb. .47 - .62
798 Phosphin .....lb. 4 65 - —

Green—
5 Naphthol green B....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
727 Wool green S.....lb. .58 - —
924 Methylene green B...lb. 1.55 - —
1078 Alizarin cyanin green.lb. 2.00 - —

Orange—
10 Chrysodin G.....lb. .44 - —
21 Chrysodin R.....lb. .41 - —
27 Orange G.....lb. .50 - —
31 Amidonaphthol red G.lb. .42 - —
37 Amidonaphthol red 6B, lb. .68 - —
151 Orange Y.....lb. .81 - .93
161 Orange R.....lb. .84 - —

Red—
79 Ponceau R.....lb. .49 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A°.....lb. .54 - —
179 Azorubin .....lb. .60 - —
183 Crocein scarlet 3BX..lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M...lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6B.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Violet—
680 Methyl violet B.....lb. .70 - .75
681 Crystal violet B.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —

Yellow—
10 Naphthol yellow S....lb. .88 - —
158 Metanil yellow.....lb. .56 - .58
636 Fast light yellow.....lb. 1.25 - —
639 Xylene light yellow..lb. 1.15 - —
640 Tartrasin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —

Dyes, coaltar, for stains, water-soluble (prices E. in barrels of 250 lbs. each; 25 lb. lots and up, 3c. per lb. higher, sellers' works or warehouse).

Black—
864 Nigrosin .....lb. .36 - .44

Blue—
860 Indulin .....lb. .60 - .70

Brown—
351 Bismarck brown.....lb. 1.50 - —

Green—
637 Malachite green base.lb. 2.00 - —

Orange—
20 Chrysoidin G.....lb. .93 - —
21 Chrysoidin R.....lb. .96 - —

Red—
677 Fuchsin, magenta, bass. lb. 7.25 - —
749 Rhodamine R.....lb. 4.75 - —

Yellow—
67 Amidoazotoluene yellow. lb. .75 - —
955 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —

Violet—
686 Methyl violet base....lb. .85 - —

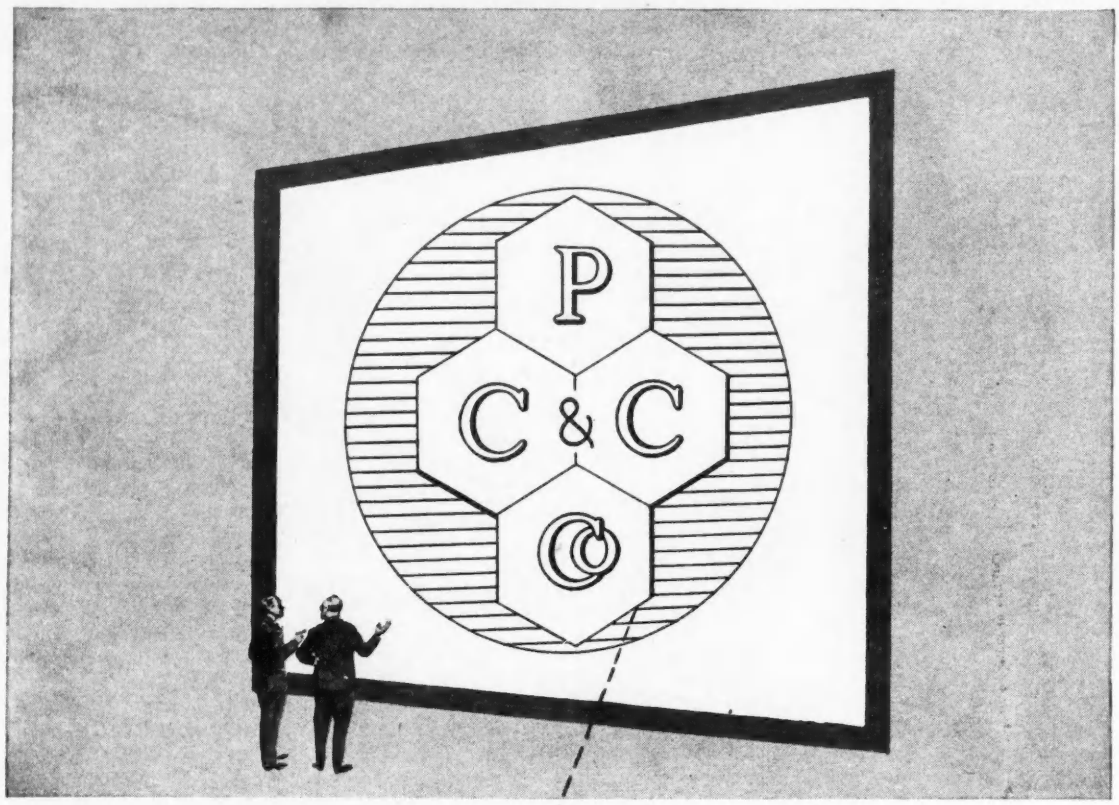
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .75 - .80
Egg,[1,7] albumen (see Albumen).
Yolk,[1,7] dried, dom., bbls...lb. 1.07 - 1.13
imported .....lb. No stocks
Elder flowers, bright, bls.....lb. .75 - .85
Elecampane root, bls.....lb. .55 - .60
Elm bark, grinding, bls.....lb. .25 - .26
powd., bbls., bxs.....lb. .55 - .56
select, bndls.....lb. .55 - .56
Emetine hydrochloride, bots..oz. 44.50 -45.00
Ephedra, bls.....lb. .28 - .30
Ephedrine, natural, USP, anhydrous, bots..oz. 1.15 - 1.65
Hydrochloride, tins.....oz. .95 - 1.45
Sulphate, tins.....oz. .95 - 1.45
Synthetic, USP, anhydrous, bots..100 ozs. .63 - —
hydrous, bots., 100 ozs..oz. .65 - —
Hydrochloride, tin, 100 ozs.. oz. .50 - —
Sulphate, cryst., tins, 100 ozs. oz. .48 - —
Epinephrine, synth., USP, bots. gram. .75 - —
Epsom salt, tech., cryst., bgs., c.l..100 lbs. 1.80 - 1.95
l.c.l. .....100 lbs. 2.15 - 2.40
dried, bgs.....lb. .03½- —
l.c.l., bgs.....lb. .04 - .07
USP, cryst., bgs., c.l..100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
Epsom salt prices freight equalized with Balto., Carteret, N. J.; Chicago, Cincinnati, Cleveland, Heuston, New Orleans, New York.
Ergot, USP, cs.....lb. 1.15 - 1.30
Eserine, bots.....oz. No price
Sulphate, 1-gram, vials....vial. 2.10 - —
Ether, acetic (see Ethyl acetate).
Amyl (see Amyl ether).
Butyl, l.c.l., dms., dlvd.....lb. .30 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bot., 100 lbs..lb. .93 - 1.10
Sulphuric, conc., dms.....lb. .11 - .16
USP anesthesia, hospitals, 1-lb. cns..lb. .60 - .61
Synthetic, dms., c.l., wks...lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks .....lb. .12½- —
Ethyl acetate,[8] 85-90%, dms., c.l., frt. alld..lb. .1050- .1200
l.c.l., frt. alld.....lb. .1100- .1250
tanks, frt. alld.....lb. .0950- .1100
95-98%, dms., c.l., frt. alld..lb. .1075- .1275
l.c.l., frt. alld.....lb. .1125- .1325
tanks, frt. alld.....lb. .0975- .1175
NF, dms.....lb. .14½- .15½
Acetoacetate, dms., c.l., works. lb. .37½- —
l.c.l., frt. alld.....lb. .38 - —
Benzoate, bots.....lb. .90 - 1.00
Bromide, tech., dms.....lb. .50 - .55
Carbamate, dms., dlvd. E...lb. .58 - —
Chloride, tech., dms.....lb. .18 - .20
USP, bbls., cyl.....lb. .20 - .22
Cinnamate, cns.....lb. 3.25 - 3.90
Formate, dms., Agnue, Calif., lb. .26 - .32
Iodide, bots.....lb. 3.50 - 3.60
Lactate, dms., works.....lb. .33½- .39½
Myristate, dms., works.....lb. .55 - —
Oenanthate, dms.....lb. 1.50 - 1.75
Oleate, dms., l.c.l., works...lb. .47 - —
Oxalate, dms., frt. alld.....lb. .33 - —
Silicate, dms., l.c.l., works..lb. .77 - —
Ethylcellulose,[9] pkgs., 5,000 lbs. or more, works..lb. .50 - —
smaller lots, works.....lb .52 - .60
Ethyldiethanolamine, dms., l.c.l., works..lb. .90 - —
Ethylene dichloride,[8] dms., c.l., works, frt. alld. E. of Rockies, frt. alld..lb. .0842- —
West of Rockies..lb. .0891- —
l.c.l., works, frt. alld. E. of Rockies..lb. .0891- —
West of Rockies..lb. .0941- —
tanks, frt. alld. E. of Rockies, lb. .0743- —
West of Rockies..lb. .0792- —
Trichloride (see Trichloroethane).
Ethyleneglycol, dms., c.l., frt. alld. in E..lb. .10 - —
l.c.l., same basis.....lb. .11 - —
tanks, same basis.....lb. .09 - —
Monobutylether, dms., c.l., wks. lb. .17½- —
l.c.l., works.....lb. .18½- —
tanks, works.....lb. .16½- —
Monoethylether, dms., c.l., wks. lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Monoethylether acetate, dms., c.l., works..lb. .13½- —
l.c.l. works.....lb. .14½- —
tanks, works.....lb. .12½- —
Monoethylether, dms., c.l., wks. lb. .16½- —
l.c.l., works.....lb. .17½- —
tanks, works.....lb. .15½- —
Ethylethanolamine, dms., c.l., works..lb. .57 - —
l.c.l. works.....lb. .60 - —
Ethylmonoethanolamine, l.c.l., dms., works..lb .80 - —
Ethylmorphine hydrochloride, bots..oz. 10.50 -10.75
Ethylvanillin,[1] cns., 5 lbs. or more..lb. 5.25 - —
smaller lots.....lb. 5.30 - 5.40
Eucalyptol, cns., dms.....lb. 2.50 - 2.55
Eucalyptus leaves, bls.....lb. .10 - .16
Eugenol, cns., dms.....lb. 2.65 - 3.25
Euphorbia, bls.....lb. .16 - .17

F

Feldspar, enamel, 100 mesh, l.c.l., bgs., min. 2 tons..ton. 17.00 -20.50
bulk c.l.....ton. 14.00 -17.50
glass, 20 mesh, bgs., works, min. 2 tons..ton. 12.75 -16.25
bulk, c.l.....ton. 9.75 -12.25
pottery, bgs., l.c.l., works, min. 2 tons..ton. 20.00 -22.00
bulk, c.l., works .....ton. 17.00 -19.00
Fennel seed, Argentine, bgs...lb. .19½ Nom.
Indian, bgs.....lb. .16½ Nom.
Fenugreek, domestic, bgs.....lb. .12 - .12½
Indian, bgs.....lb. No stocks
Morocco, bgs.....lb. .07¾- .08¼
Ferric sulphate, anhyd., bgs., c.l., works..ton. 35.00 - —
l.c.l., works.....ton. 40.00 - —
Film scrap, colored, cs., works..lb. .13½- .15
water-white, cs., works.....lb. .14½- .17
Fir balsam, Canada, cns.....gal. 18.50 -20.00
Oregon, bbls.....gal. 2.45 - 2.50
Fishberries, bgs.....lb. .24 - .26
Fishliver oils (see Oil, fishliver).
Fishmeal,[1,7] grd., 69% protein, bgs., E. works..ton. 72.50 - —
65% protein, bgs., E. works. ton. 78.50 - —
Fishscrap,[7] dried, 60% protein, bulk, East coast..ton. 66.50 - —
Flake, white, bbls.....lb. .09 - —
kegs .....lb. .11 - —
Fleaseed, dom., French-type, bgs. lb. .82 - .84
French, black, bgs.....lb. No stocks
Indian, blonde, bgs.....lb. .18½- .22
Fluorspar, No. 1, ground, 95-98% CaF_2, bulk, c.l., mines, net ton. 37.00 - —
washed, gravel, 70% or more CaF_2, c.l., bulk, mines..ton. 33.00 - —
65%, c.l., bulk, mines....ton. 32.00 - —
60%, c.l., bulk, mines....ton. 31.00 - —
less than 60%, c.l., bulk, mines..ton. 30.00 - —
Formaldehyde,[1] bbls., c.l., works. lb. .0520- —
l.c.l., works.....lb. .0570- —
dms., extra, c.l., works.....lb. .0460- —
l.c.l., works.....lb. .0510- —
tanks, works.....lb. .0320- —
tanktrucks, dlvd. N.Y.C.....lb .0345- —
Fringetree bark, bls.....lb. .53 - .80
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines..ton. 8.50 -15.00
Tex. mines.....ton. 12.50 - —
spent, bulk, Bayonne....ton. 3.00 - —
Chicago .....ton. 4.00 - —
imp., bgs., c.l.....ton. 30.00 -40.00
Furfural, ref., dms., c.l., works. lb. .15½- —
cns., dms., l.c.l., works....lb. .18½- .23½
tech., dms., c.l., works.....lb. .13 - —
l.c.l., cns., dms.....lb. .15½- .20½
tanks, works.....lb. .09½- —
Fusel oil, crude, dms., works..gal. .75 - —
refd., dms., dlvd.....lb. .18½- .19¼



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Back of the phrase "Trade Mark, Registered" can usually be found the heritage of a proud line of products with an already established reputation for quality and integrity. For no trade-mark can endure if the product or products it represents have been found wanting!

Here is the new trade-mark for Pittsburgh Coke & Chemical Company products.

The products themselves . . . coal and coke, pig iron, cements, iron ore, limestone products and, more recently, chemicals and by-products . . . have a long established reputation in world markets for complete dependability. The new trade-mark simply identifies each separate product with others of the company line. Wherever and whenever you see it . . . on old products or new . . . you can confidently expect those products to be *top* quality.

CHEMICAL SALES DIVISION

Pittsburgh Coke & Chemical Company

Grant Building Pittsburgh 19, Pennsylvania

Rate your container, Mister!

1. Put your package on the desk in front of you. Look it over. Try to estimate its eye appeal, its *interest to your customers*. Then pick up your pencil and check below:

- **Highly Attractive** ☐
- **Interesting** ☐
- **Fair** ☐
- **Not So Good** ☐

2. Now call in some of your merchandising staff. Talk it over. Try to decide whether your container is as *efficient* as possible. Then check your answer below:

- **Highly Efficient** ☐
- **Good** ☐
- **Fair** ☐
- **Not So Efficient** ☐

NOW look over your check marks. If you have marked off *any* box that rates your container less than tops—*do this:* **Pick up your phone and call American Can Company.**

WHY? Simply because we have 45 years' experience in devising containers which will be of *maximum* interest to your customers . . . of *maximum* efficiency. Our recent service with Uncle Sam has whetted our packaging skill.

Don't be satisfied with half-way measures. There's a tough postwar market to be faced—be certain that your package has the stuff to meet it. Call our representative or write us direct—**230 Park Avenue, New York 17, N. Y.**

American Can Company

New York Chicago San Francisco

CANCO

WORLD'S LARGEST MANUFACTURERS OF FIBRE AND METAL CONTAINERS

Fustic extract, cryst., No. 1, bbls., l.c.l.	lb.	.35 - —
No. 1A, bbls., l.c.l.	lb.	.34 - —
No. 2, bbls., l.c.l.	lb.	.33 - —
No. 3, bbls., l.c.l.	lb.	.31 - —
liquid, No. 0, bbls., l.c.l.	lb.	.19 - —
No. 1, bbls., l.c.l.	lb.	.17½- —
No. 2, bbls., l.c.l.	lb.	.16½- —
No. 3, bbls., l.c.l.	lb.	.14 - —
solid, No. 1, bxs., l.c.l.	lb.	.26½- —

G

G salt, bbls.	lb.	.45 - —
Galangal root, bls.	lb.	.24 - .26
Gambier, cube, Singapore, cs.	lb.	No stocks
Extract, bbls.	lb.	No stocks
Gammapicoline, 95%, dms., c.l., works.	lb.	1.35 - —
Gasoline[1] at refinery, ex tax, Arkansas, 72-75 octane, tanks,	gal.	.06 - —
Bayonne, 72-75 oct., tanks...	gal.	.06 - —
Gulf Coast, 72-75 oct., tanks,	gal.	.06 - —
Group 3, 75 oct., tanks...	gal.	.06 - —
Pennsylvania, western, US motor, 70-74 octane, leaded, tanks.	gal.	.0655- .0775
natural, 26/70, Group 3, tanks.	gal.	.04½- .04¾
Gelatin, silver label, ctns., divd.	lb.	.96 - .97
export, cs.	lb.	1.00 - —
Silver label prices 5c. higher for deliveries in Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Tex., Utah, Wash. and Wyo.		
Geisemium root, bls.	lb.	No stocks
Gentian root, bls.	lb.	.36 - .38
grd., bbls., bxs.	lb.	.38 - .40
powd., bbls., bxs.	lb.	.39 - .41
Geraniol, 92-96%, cns, dms.	lb.	No prices
Geranyl acetate, cns.	lb.	3.50 - 3.60
Ginger,[1] African, No. 1, bls.	lb.	.15 - .15½
Calicut, bgs.	lb.	.16½- .17
Romeo-type, bgs.	lb.	.16½- .17
Cochin, bleached, bgs.	lb.	.17½- .18
unbleached, bgs.	lb.	.16½- .17
Jamaica, No. 1, bgs.	lb.	.23 - .23½
No. 2, bgs.	lb.	.21½- .22
No. 3, bgs.	lb.	.17½- .18
Rhattoon, bgs.	lb.	.17 - .17½
Glaubers salt, anhyd. (see Soda sulphate).		
cryst., bgs., bbls., works.	100 lbs.	1.05 - 1.45
Glue, bone, calcium type, 24 millipoise, 36 jellygrams, bgs., c.l., East of Midwest.	lb.	.16 - —
50/55, bgs., c.l., same basis.	lb.	.15½- —
58/62, bgs., c.l., same basis.	lb.	.17 - —
82/105, bgs., c.l., same basis.	lb.	.18½- —
Bone glue l.c.l. prices 1c. higher than c.l.		
Hide,[1] 100-121 (jelly test in grams), bgs., c.l., divd.	lb.	.14 - .21½
122-149, bgs., c.l., divd.	lb.	.15 - .22½
150-177, bgs., c.l., divd.	lb.	.16 - .23½
178-206, bgs., c.l., divd.	lb.	.17 - .24½
207-236, bgs., c.l., divd.	lb.	.18 - .25½
237-266, bgs., c.l., divd.	lb.	.19 - .26½
267-296, bgs., c.l., divd.	lb.	.20 - .27½
299-330, bgs., c.l., divd.	lb.	.21 - .28½
331-363, bgs., c.l., divd.	lb.	.22 - .29½
363-394, bgs., c.l., divd.	lb.	.23 - .30½
395-427, bgs., c.l., divd.	lb.	.24 - .31½
428-460, bgs., c.l., divd.	lb.	.25 - .32½
461-494, bgs., c.l., divd.	lb.	.26 - .33½
495-529, bgs., c.l., divd.	lb.	.27 - .34½
Hide glue l.c.l. prices 1c. higher than c.l.; bbls., ½c. over bgs.		
Glycerin, crude, saponification, 88%, to refiners, tanks.	lb.	.12¾- —
soaplye, 80%, tanks.	lb.	.11½- —
dynamite, dms., c.l.	lb.	.17½- .18¼
l.c.l.	lb.	.18 - .18¾
tanks	lb.	.17½- .18
high gravity, dms., c.l.	lb.	.17½- .18¼
l.c.l.	lb.	.18 - .18¾
tanks	lb.	.17½- .18
ref., USP, 95%, dms., c.l.	lb.	.18¼- —
l.c.l.	lb.	.18¾- —
tanks	lb.	.18 - —
B. P., 98%, dms., c.l.	lb.	.18¾- —
l.c.l.	lb.	.19½- —
tanks	lb.	.18½- —
yellow, distilled, dms., c.l.	lb.	.17¾- —
l.c.l.	lb.	.18½- —
tanks	lb.	.17¾- —
Glycine, USP, bbls., tins.	lb.	1.25 - 1.30
Glycol boriborate, dms.	lb.	.22 - —
Stearate, dms.	lb.	.26 - —
Gold chloride, acid-brown, bots.	oz.	20.75 -21.00
acid-yellow, bots.	oz.	18.75 -19.00
Gold-soda chloride, photo., bots.	oz.	15.00 - —
USP IX, bots.	oz.	14.50 -14.75
Goldenseal root, bls.	lb.	8.25 - 8.35
powd., bxs.	lb.	8.50 - 9.00
Gold of pleasure seed, bgs.	lb.	No stocks
Grains of paradise, bgs.	lb.	.80 - .87
Graphite, dom., crystalline, 80% through 50 mesh, graphitic carbon content 65-70%, bgs., whse.	lb.	.04½- —
70-75%, bgs., same basis.	lb.	.05 - —
75-80%, bgs., same basis.	lb.	.05½- —
80-85%, bgs., same basis.	lb.	.06 - —
85-90%, bgs., same basis.	lb.	.07 - —
90% and up, same basis.	lb.	.08 - —
Grease, house,[1,7] loose.	lb.	.06¾- —
White, choice, loose.	lb.	.06¾- —
Wool (see Adeps lanae and Degras).		
Green, brilliant,[1] thiodiavin toner, molybdic, bgs., works.	lb.	3.25 - —
tungstic, bgs., works.	lb.	3.75 - —
Chrome,[1] CP, dark, light, medium, blue content up to 5%, bbls., divd. N. of Tenn. and N.C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis.	lb.	.22 - —
15%, bbls., same basis.	lb.	.25 - —
20%, bbls., same basis.	lb.	.26½- —
21-25%, bbls., same basis.	lb.	.26 - —
26-30%, bbls., same basis.	lb.	.26½- —
31-35%, bbls., same basis.	lb.	.27½- —
36-40%, bbls., same basis.	lb.	.29 - —
41-45%, bbls., same basis.	lb.	.30½- —
46-50%, bbls., same basis.	lb.	.33 - —
reduced color, 5%, bbls., same basis.	lb.	.06¾- —
9-10%, bbls., same basis.	lb.	.07½- —
11-13%, bbls., same basis.	lb.	.08 - —
14-16%, bbls., same basis.	lb.	.08½- —
17-19%, bbls., same basis.	lb.	.08¾- —
20-21%, bbls., same basis.	lb.	.09¾- —
22-23%, bbls., same basis.	lb.	.09 - —
24-25%, bbls., same basis.	lb.	.09½- —
26-27%, bbls., same basis.	lb.	.09¾- —
28-29%, bbls., same basis.	lb.	.10 - —
30-31%, bbls., same basis.	lb.	.10½- —
32-33%, bbls., same basis.	lb.	.12 - —
34-35%, bbls., same basis.	lb.	.12 - —
36-40%, bbls., same basis.	lb.	.14 - —
41-45%, bbls., same basis.	lb.	.17 - —
46-50%, bbls., same basis.	lb.	.17½- —
51-55%, bbls., same basis.	lb.	.18 - —
56-60%, bbls., same basis.	lb.	.18½- —
61-65%, bbls., same basis.	lb.	.19 - —
70%, bbls., same basis.	lb.	.20 - —
71-75%, bbls., same basis.	lb.	.21 - —
Chrome green prices are ½c. higher divd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City and Wichita, prices are equalized with Chicago.		
Green, chrome oxide, pure, dms., wks.	lb.	.24 - —
Malachite, thiodiavin toner, molybdic, bbls., works.	lb.	3.00 - —
tungstic, bbls., works.	lb.	3.50 - —
Phthalocyanin,[1] tetrahydroxide (hydrated chromium oxide), bbls., works.	lb.	.95 - —
toner, bbls., works.	lb.	4.00 - 5.00
Paris (see P).		
Tungstated, brilliant, kgs.	re.	3.00 - —
emerald, kgs.	lb.	3.00 - —
Verdigris (see V).		
Green dyes (see Dyes, coaltar)		
Grindelia robusta, bls.	lb.	.21 - .23
Guaiac, resin, cs.	lb.	.26 - .33
Wood, bls.	lb.	.06 - .08
Guaiacol, liquid, 25 lb. dms.	lb.	1.75 - 2.25
Carbonate, dms.	lb.	2.40 - 2.74
Guanidin carbonate,[1] bbls., c.l., works.	lb.	.57 - —
l.c.l., works.	lb.	.59 - .75¾
Guarana, powd., cs.	lb.	2.00 - 2.10
Gum accroides (see Gum, yacca).		
Aloe (see A).		
Ammoniac, tears, cs.	lb.	.90 - .95
Arabic, amber, sorts, bgs.	lb.	.11¼- .13
white, sorts, 1, bgs.	lb.	.28 - .30
Asafetida (see A).		
Asphaltum (see A).		
Benzoin, artificial, cns.	lb.	1.75 - 2.25
Siam, cs.	lb.	3.00 - 4.00
Sumatra, cs.	lb.	.52 - 1.00
Camphor (see C).		
Copal, Congo, sorted, No. 30, bgs., c.l., ex dock or port, whse.	lb.	.55¾- —
31, bgs., c.l., same basis,	lb.	.21¼- —
32, bgs., c.l., same basis,	lb.	.16¾- —
33, bgs., c.l., same basis,	lb.	.14¾- —
34, bgs., c.l., same basis,	lb.	.09¾- —
35, bgs., c.l., same basis,	lb.	.15¾- —
36, bgs., c.l., same basis,	lb.	.12¾- —
37, bgs., c.l., same basis,	lb.	.13¾- —
38, bgs., c.l., same basis,	lb.	.12¾- —
39, bgs., c.l., same basis,	lb.	.10¾- —
40, bgs., c.l., same basis,	lb.	.06½- —
41, bgs., c.l., same basis,	lb.	.11¾- —
unsorted, No. 1, bgs., same basis.	lb.	.15¾- —
2, bgs., c.l., same basis.	lb.	.13¾- —
3, bgs., c.l., same basis.	lb.	.12¼- —
FAD, bgs., c.l., same basis,	lb.	.15¾- —
East India,[1] Batu, bold, scraped, c.l., same basis.	lb.	.10¼- —
unscraped, same basis.	lb.	.09 - —
chips, same basis.	lb.	.05¾- —
dust, same basis.	lb.	.05¼- —
Momboyo, No. 1, bgs., c.l., ex dock or port, whse.	lb.	.13¼- —
nubs and chips, same basis,	lb.	.05¾- —
black, bold, scraped, bgs.,	lb.	.12 - —
unscraped	lb.	.07¼- —
nubs and chips, same basis.	lb.	.07¼- —
pale, Hiro-Macassar,[1] bold, bgs., c.l., same basis.	lb.	.17¾- —
chips, same basis.	lb.	.11¼- —
dust, same basis.	lb.	.05¼- —
nubs, same basis.	lb.	.13¾- —
Singapore, Rasak, bold, bgs., same basis.	lb.	.22¾- —
chips, same basis.	lb.	.11¾- —
dust, same basis.	lb.	.05½- —
nubs, same basis.	lb.	.16¾- —
Macassar,[1] dust., bgs., c.l., same basis.	lb.	.07¾- —
MA, same basis.	lb.	.09¾- —
MB, same basis.	lb.	.09¼- —
WS, bgs., same basis.	lb.	.11¾- —
Manila, Bocas,[1] hard, bold, amber, light, bskts., c.l., same basis.	lb.	.13½- —
dark, light, same basis.	lb.	.14½- —
white, same basis.	lb.	.15½- —
Loba,[1] A, bgs., c.l., same basis.	lb.	.14 - —
B, same basis.	lb.	.13¾- —
C, same basis.	lb.	.13¾- —
CBB, same basis.	lb.	.12 - —
CNE, same basis.	lb.	.10 - —
D, same basis.	lb.	.12¾- —
DBB, same basis.	lb.	.11 - —
DK, same basis.	lb.	.09½- —
DU, same basis.	lb.	.08¾- —
dust, same basis.	lb.	.07¾- —
WB, same basis.	lb.	.09¾- —
WS, same basis.	lb.	.11¾- —
Manila-Singapore,[1] white split chips, bgs., c.l., same basis.	lb.	.13¼- —
dust, same basis.	lb.	.07¾- —
whse., entry point, c.l.	lb.	.08¾- —

Glycerine *Rates High*

In New-Product Planning

—Here's Why!

GLYCERINE, known to so many chemists in so many different fields, is high on the list in plans for new products because it has *the right combination of properties.*

For instance, its *viscosity* is high and uniform. Its high degree of *permanence* is of value in many industrial fields. Its *wholesomeness* is proved in foods, confectionery, ice cream, cosmetics, drugs, transparent wrappings. It is useful for this reason in textiles, too, especially where products touch the skin.

The *chemical reactivity* of glycerine is an advantage—in the making of alkyd resins and monoglycerides for paints; ester gum for varnishes; polyglycerols and chlorohydrins valuable in the food, drug, and resin industries.

The *humectancy* of glycerine is another advantage—in the processing of tobaccos, as an ingredient in cosmetics, foods, confectionery. Few materials offer such a *combination of properties* advantageous to the manufacturer.

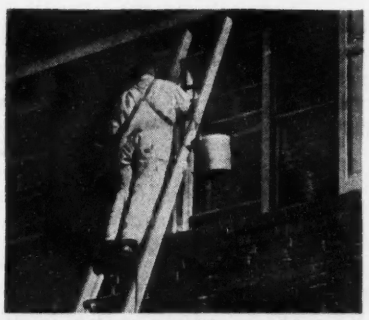
Perhaps glycerine can be of value to *you.* For further information, write: Glycerine Producers' Association, **0-1,** 295 Madison Avenue, New York 17, N. Y.

Research Laboratories, Chicago, Ill.

LONG LASTING! Glycerine helps to give products long life—keeps them from drying out easily. Think of glycerine when you plan new products.

HIGH VISCOSITY! The viscosity of glycerine is a standard. That is one of many reasons why this pure, wholesome, versatile material is so valuable in the making of *cosmetics,* such as leg make-up, creams and lotions.

WHOLESOMENESS! Crystal-clear U.S.P. glycerine has real food value, substantially equivalent to carbohydrate. Naturally sweet. Use it in *cakes, candies, soft drinks, flavorings!*



CHEMICALLY REACTIVE! Many useful chemicals can be made from glycerine. Alkyd resins, ester gum, monoglycerides, polyglycerols, and chlorohydrins are a few.

HUMECTANCY! Glycerine solutions do not markedly differ from glycerine itself in humectant powers. A little goes far. To keep a product like *tobacco* moist, use glycerine.

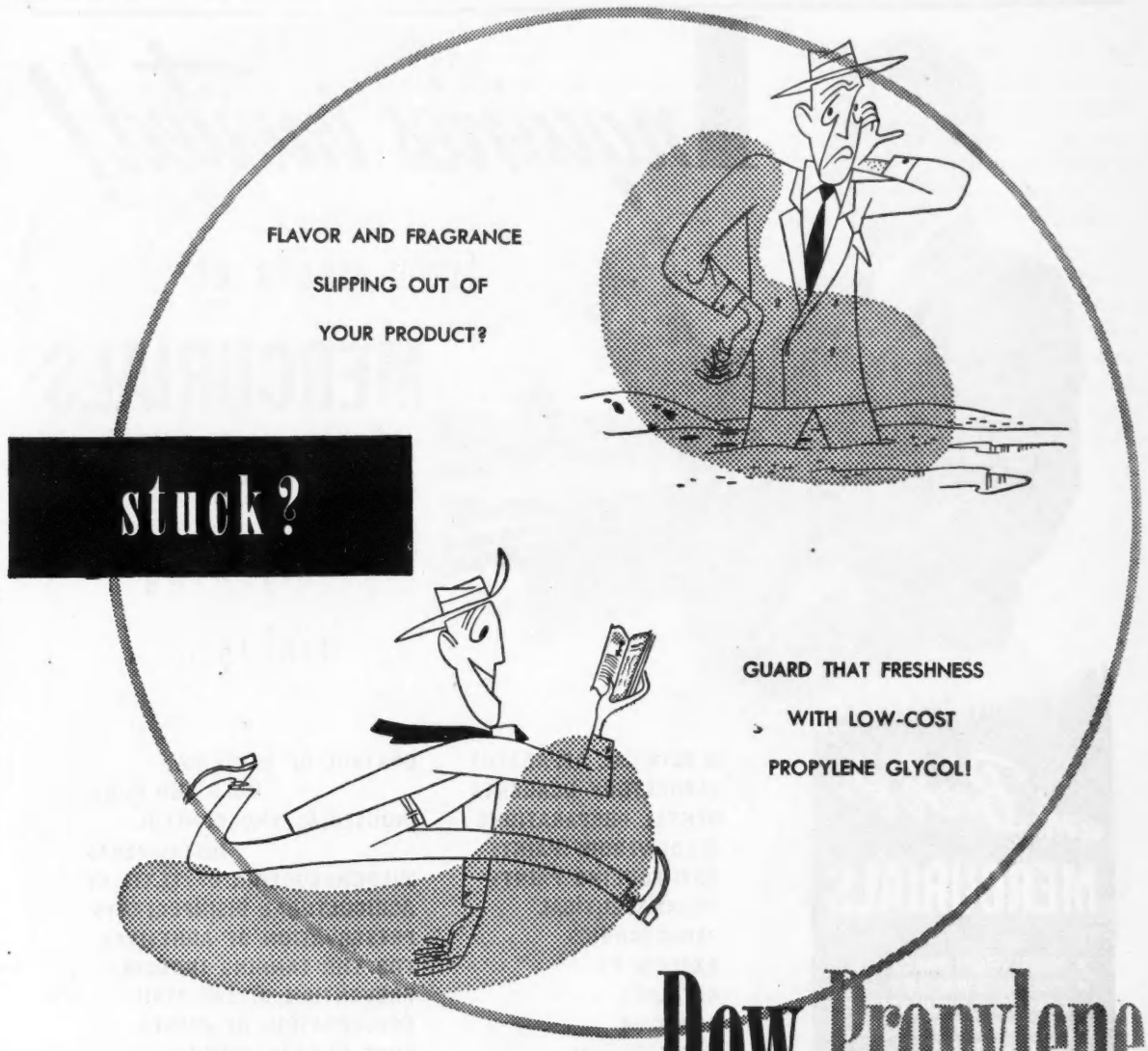
Gum, copal, Philippine,[1] Manila, extra bold and bold, pale, scraped, bskts., same basis. lb. .15 - —
extra bold, sorts, bgs., c.l., same basis..lb. .13½- —
pale chips, bold, same basis, lb. .13 - —
nubs, WCB, same basis..lb. .13½- —
seeds, dust, same basis...lb. .09½- —
SG, same basis.....lb. .10½- —
small chips, same basis..lb. .11¾- —
Pontianak, bold, scraped, bgs., c.l., same basis..lb. .23½- —
mixed, same basis.....lb. .17½- —
chips, small, same basis..lb. .12½- —
cuttings of split, same basis, lb. .19½- —
nubs, same basis.....lb. .18 - —
Gum copal, l.c.l., prices ¼c. to ½c. higher.
Dammar,[1] Batavin, A, cns., c.l., same basis..lb. .35½- —
A/C, same basis.....lb. .31¼- —
A/D, same basis.....lb. .29½- —
A/E, same basis.....lb. .25½- —
B, same basis.....lb. .34½- —
C, same basis.....lb. .29½- —
D, same basis.....lb. .25½- —
E, same basis.....lb. .18½- —
F, same basis.....lb. .12½- —
dust, same basis.....lb. .18½- —
Singapore,[1] No. 1, c.a., c.l.lb. .30½- —
2, bgs., same basis.....lb. .25 - —
3, bgs., same basis.....lb. .12½- —
chips, cs., same basis...lb. .23½- —
dust, bgs., same basis...lb. .12 - —
seeds, cs., same basis....lb. .17¼- —
Gum, dammar, l.c.l., prices ¼c. to ½c. higher.
Elemi,[1] cns., c.l., ex dock or whse. entry port..lb. .09½- .09¾
Ester, gum-rosin, type[1,4] dms., c.l., divd. Ill., Ind., Ky., Mich., Mid-Atl. States, N. England States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va..lb. .1300- —
l.c.l., divd. Ill., etc.....lb. .1325- —
other points, same basis, lb. .1400- —
wood-rosin type (formerly designated as "ordinary"), dms., c.l., divd. Ill., Ind., etc..lb. .1050- .1075
Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs.....lb. 1.00 - 1.05
Gamboge, pipe, cs.....lb. No stocks
powd., bbls.....lb. No stocks
Ghatti, bgs.....lb. No stocks
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .18 - .46
Kauri,[1] brown, chips, extra, bgs., c.l., ex dock, whse..lb. .16 - —
dust, same basis.....lb. .12½- —
nubs, same basis.....lb. .24 - —
No. 1, extra, same basis...lb. .34 - —
superior, same basis.....lb. .31 - —
No. 2, extra, same basis...lb. .30 - —
superior, same basis.....lb. .27½- —
No. 3, same basis.....lb. .23 - —
x, same basis.....lb. .36 - —
2x, same basis.....lb. .49 - —
3x, same basis.....lb. .77 - —
bush, assorted, same basis.lb. .35 - —
bold, same basis.....lb. .40 - —
bright, same basis.....lb. .18 - —
chips, same basis.....lb. .32 - —
dark, same basis.....lb. .18 - —
white, chips, pale, same basis. lb. .20½- —
dust, pale, same basis...lb. .20½- —
extra, same basis.....lb. .25½- —
extra, No. 1, same basis..lb. .45 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .30 - —
superior No. 1, same basis, lb. .41 - —
No. 2, same basis.....lb. .31 - —
No. 3, same basis.....lb. .22 - —
3x, same basis.....lb. .65¾- —
4x, same basis.....lb. .66 - —
5x, same basis.....lb. 1.60 - —
Gum kauri, l.c.l., prices are ¼c. to ½c. higher.
Locust bean, powd., bbls....lb. .60 - .65
Mastic, cs.....lb. 5.00 Nom.
Myrrh, cs.....lb. .48 - .50
Olibanum, siftings, cs.....lb. .12 - .13
tears, cs.....lb. .21 - .35
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac,[1] casks.....lb. .97½- .99½
Scammony, cs.....lb. 1.30 - 1.35
Talha, bgs.....lb. .10 - .11
Tragacanth, No. 1, cs.....lb. 2.90 - 3.00
No. 2, cs.....lb. 2.75 - 2.80
No. 3, cs.....lb. 2.15 - 2.00
Yacca,[1] red gum, coarse, bgs., ex dock, whse..lb. .06 - —
powdered .....lb. .07¼- —
Gypsum, Keene's cement, paper bgs., c.l., Acme, Tex., frt. equald..ton.22.65 - —
Harlem River, N. Y., frt. equald..ton.30.65 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
New Brighton, N.Y., frt. equald..ton.30.65 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.45 - —
Plaster of Paris, paper bgs., c.l., Acme, Texas, frt. equald..ton.12.50 - —
Blue Rapids, Kan., frt. equald..ton.10.50 - —
Harlem River, N. Y., frt. equald..ton.13.00 - —
Medicine Lodge, Kan., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equal. ton.12.50 - —
Stucco, paper bgs., c.l., Acme, Texas; Akron, N. Y.; Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, Ohio; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Tex.; Southard, Okla.; Sweetwater, Tex.; frt. equald..ton. 8.00 - —
Saltville, Va., frt. equald, ton. 9.00 - —
Terra alba, paper bgs., c.l., Harlem river, N. Y.; works..ton.12.00 - —
New Brighton, N. Y.; Southard, Okla., works, ton.12.00 - —

H

Hawthorn berries, bgs.....lb. .57 - .60
Heliotropin, cryst., cns.....lb. 2.95 - 4.00
Hellebore, white, powd., bbls..lb. .46 - .47
Helonias root, bls.....lb. 2.50 - 2.75
Hematine extract, cryst., No. 0, bbls., l.c.l..lb. .41 - —
No. 1, bbls., l.c.l.....lb. .40 - —
No. 1A, bbls., l.c.l.....lb. .37 - —
No. 2, bbls., l.c.l.....lb. .36 - —
No. 3, bbls., l.c.l.....lb. .34 - —
No. 4, bbls., l.c.l.....lb. .33 - —
No. 5, bbls., l.c.l.....lb. .30 - —
paste, No. 1, bbls., l.c.l.....lb. .17½- —
No. 2, bbls., l.c.l.....lb. .16½- —
No. 3, bbls., l.c.l.....lb. .15½- —
red, No. 4, bbls., l.c.l.....lb. .14½- —
Hemlock bark extract,[1,6] 26% tan, bbls., c.l., works..lb. No stocks
tanks, works.....lb. No stocks
Henbane leaves, bls.....lb. 1.35 - 1.50
Henna leaves, bls.....lb. .16 - .17
powd., bbls., bxs.....lb. .21 - .22
Heptane,[1] 80°-100° C., industrial grade, dms., c.l., Group 3, gal. .12½- —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- —
77°-115°, industrial, dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal .20 - .55
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanone).
Hexamethylenetetramine,[1] tech., bbls., 1,000-lb. lots, Perth Amboy or N.Y.C..lb. .24 - —
smaller lots, same basis..lb. .25 - —
USP, dms., 500 lbs. or more, same basis..lb. .35 - —
smaller lots, same basis..lb. .38 - —
Hexane,[1] 60°-70° C., industrial grades, dms., c.l., Group 3, gal. .13½- —
l.c.l., Group 3.....gal. .19 - —
tanks, Group 3.....gal. .10½- .11
laboratory grade, dms., c.l., Group 3..gal. .18 - —
l.c.l., Group 3.....gal. .29 - .55
Hexanol, normal, dms., l.c.l., works..lb. .25 - —
Homatropine hydrobromide, bots. oz.15.00 -35.00
Hoofmeal, 17-18% ammon., bulk, c.l., Chicago..unit-ton. 4.50 - 5.00
Hops, NF, bls.....lb. .56 - 1.80
Horehound, bls.....lb. .10½- .12
Hydrangea root, bls.....lb. No prices
Hydrastine, alkaloid, bots.....oz.20.00 -25.00
Hydrochloride, bots.....oz.20.00 -22.00
Sulphate, bots.....oz.20.00 -23.00
Hydrastinine, 10-gr. bots.....bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fib. cns., works..lb. .30 - .40
Hydrogen peroxide, USP, bbls. lb. .03½- .04
100 vols., cbys., E. of Miss. River or West coast via Panama Canal..lb. .15½- .15⅝
Hydroquinone, bbls., dms.....lb. .90 - .94
Hydroxycitronellal, cns.....lb. 5.75 - 5.80
dms., extra, ret'able, divd...lb. 4.50 - —
Hyoscine hydrobromide, bots..oz.39.00 -45.00
Hyoscyamine, bots.....oz.18.00 -20.00
Hydrobromide, bots.....oz.18.00 -20.00
Sulphate, bots.....oz.18.00 -20.00
Hypernic extract, cryst., No. 1, bbls., l.c.l..lb. .42 - —
No. 2, bbls., l.c.l.....lb. .34 - —
liquid, No. 1, bbls., l.c.l..lb. .34 - —
No. 2, bbls., l.c.l.....lb. .19 - —
solid, No. 1, bxs., l.c.l.....lb. .30 - —
Hyssop, bgs.....lb. 1.35 - 1.50

I

Iceland moss, bgs.....lb. .50 - .55
Ichthammol, NF, bots.....lb. 2.45 - —
Indian red (see Red, Indian).
Indigo, nat., chests.....lb. 2.14 - 2.30
synth., paste, bots.....lb. .16½- .19
powd., bbls.....lb. .74½- .95
Indol, CP, bots.....lb.18.00 -22.00
Insect flowers (see Pyrothrum).
Iodine, crude, 25-lb. jars.....lb. 1.87 - —
150-lb. kgs.....lb. 1.39½- —
resubl., 5-lb. bots., jars.....lb. 1.75 - 1.95
Iodoform, 100-lb. dms., kgs....lb. 3.95 - 4.10
25-lb. jars or fib. dms.....lb. 4.20 - —
Ionone, ketone, bot.....lb. 5.00 - 5.05
Methyl, bot.....lb. 5.25 - 5.30
Ipecac root, bgs.....lb. No prices
powd., bgs.....lb. No prices
Irish moss, ordinary, bls.....lb. .26 - .28
powd., 60-80 mesh, bbls..lb. .28 - .30
prime bleached, bls.....lb. .35 - .40
powd., 60-80 mesh, bbls..lb. .40 - .90
Iron acetate, liquor, bbls., c.l., divd..lb. .17 - —
l.c.l., divd.....lb. .18 - —
solut., USP IX, 100-lb. cbys.lb. .17 - —
50-lb. djns.....lb. .19 - —



Dow Propylene Glycol, n.f.

You want your product to put its best foot forward . . . to reach your customers in all its original freshness and flavor! Now's the time to investigate Dow Propylene Glycol, N.F. . . . the low-cost ingredient that helps hold flavor and moisture and checks mold growth at the same time.

Propylene Glycol is an excellent vehicle for many flavorings and perfumes. It distributes them evenly throughout your product . . . its relatively low evaporation rate helps to keep them there. Propylene Glycol acts, too, to retain the moisture that is so important a part of freshness, and it is an effective inhibitor of mold growth.

Dow Propylene Glycol meets National Formulary standards of purity . . . may be used in edible products. See what it can do toward keeping *your* product youthful! Dow's free booklet gives you the details. It's yours for the asking.

DOW
CHEMICALS INDISPENSABLE TO INDUSTRY AND VICTORY

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New York • Boston • Philadelphia • Washington • Cleveland • Detroit
Chicago • St. Louis • Houston • San Francisco • Los Angeles • Seattle

Iron chloride (ferric), anhdyr., tech., dms., c.l., works, 100 lbs.	4.90	- 5.25
l.c.l., works.....100 lbs.	6.50	- 6.80
cryst., tech., bbls., works, frt. alld..100 lbs.	4.00	- 6.00
USP X, lump, bbls.....lb.	.07	- .08½
solut., 42 Be, cbys., works, frt. alld. or equald...lb.	.06½	- .08
djns., same basis.....lb.	.10	- —
Citrate, USP VIII, gran., dms., lb.	.70	- .75
powd., cns.....lb.	.84	- .87
Glycerophosphate, bbls.....lb.	3.30	- 5.40
cns., 25 lbs.....lb.	3.52	- —
Hypophosphite, bbls., dms...lb.	1.50	- 1.52
Iodide, bots.....lb.	3.18	- 3.32
Naphthenate, 6% Fe, 50-gal. dms..lb.	.15	- —
Nitrate, red, tech., dms.....lb.	.08½	- .04
Oxalate, gran., dms.....lb.	.83	- .85
powd., cns.....lb.	.52	- —
kgs.....lb.	.47	- .49
Phosphate, soluble, NF, gran., cns..lb.	.54	- .57
Pyrophosphate, gran., cns...lb.	.59	- .63
Reduced, 90%, kgs.....lb.	.63	- .76
Resinate,[4] 7.4% Fe, 100-lb. dms..lb.	.17½	- —
Sulphate, tech. (see Copperas, and Ferric sulphate).		
USP, cryst., bbls., dms....lb.	.05½	- .11
Tallate, 4% Fe, 50-gal. dms..lb.	.10¼	- —
Iron-ammonia citrate, brown, green, gran., pearls, dms.lb.	.33	- .38
scales, dms.....lb.	.49	- .52
Oxalate, bbls.....lb.	.23½	- —
dms., kgs.....lb.	.25½	- .26½
Iron-soda oxalate, bbls., dms..lb.	23½	- .26½
Isobornyl acetate, cns., works.lb.	.90	- .95
Isobutyl acetate,[2] dms., works.lb.	No prices	
Propionate, dms., works.....lb.	No prices	
Isoeugenol, cns., works.....lb.	3.85	- 4.25
Isopentane, dms. works.....lb.	45	- 58
Isophorone, dms., c.l., works..lb	21	- —
l.c.l., works.....lb.	.22	- —
tanks, works.....lb.	.20	- —
Isopropanol (see Alcohol, isopropyl).		
Isopropyl acetate, dms., c.l., E. of Rockies, frt. alld..lb.	.11	- —
l.c.l., E. of Rockies, same basis..lb.	.11½	- .12
tanks, E. of Rockies, same basis..lb.	.10	- —
Alcohol (see Alcohol, isopropyl).		
Ether, dms., c.l., dlvd.....lb.	.06	- —
l.c.l.....lb.	.06½	- —
tanks, dlvd.....lb.	.04½	- —
Isopropylamine, dms., works..lb.	.85	- —

J

Jaborandi leaves, bls.....lb.	.09	- .10
Jalap root, NF, bls.....lb.	.22	- .23
powd., bbls., bxs.....lb.	.28	- .30
Resin, lump, cns.....lb.	5.85	- —
powd., bxs.....lb.	5.90	- —
Juniper berries, dom., bgs.....lb.	.45	- .70
Juniper tar, USP, dms.....lb.	.80	- 1.00

K

Kalams, cns.....lb.	.48	- .49
Kaolin (see China clay).		
Kava kava root, bls.....lb.	.25	- .28
Kerosene, at refinery: Ark., 42-44 w.w., tanks..gal.	.04½	- —
Bayonne, 41-43 w.w., tanks..gal.	.050	- —
California, 40-43 w.w., tanks, gal.	.07	- —
Gulf ports, 41-43 w.w., tanks, gal.	.04½	- —
Okla.-Tex., 41-43 w.w., tanks, gal.	.04½	- —
Penn., 45 w.w., tanks....gal.	.0642½	- .0665
47 w.w., tanks.....gal.	.0655	- —
Kola nuts, bgs.....lb.	.09	- .10
Kyanite, imp., low iron content, 10-mesh, whse..ton.	85.00	-95.00
calcined, grain, 10-mesh, whse. ton.	95.00	-105.00

L

Ladyslipper root, bls.....lb.	1.35	- 1.40
Lanolin (see Adeps lanae).		
Lard,[1,7] pure, ref. trcs.....lb.	.1822½	- —
prime steam, trcs.....lb.	.1448	- —
Larkspur seed, bgs.....lb.	1.10	- 1.15
Laurel berries, bls.....lb.	.25	- .26
Leaves, Cyprus, bls.....lb.	.23½	- .23½
Greek, bls.....lb.	No stocks.	
Portuguese, bls.....lb.	.14	- .15
Turkish, futures, bls.....lb.	.20	- .21
Lavender flowers, medium, bls.lb.	.75	- .80
ordinary, bls.....lb.	.90	- .95
select, bls.....lb.	.90	- .95
Lead, acetate,[3] white, broken, bbls..lb.	.12½	- —
cryst., bbls.....lb.	.12½	- —
gran., powd., bbls.....lb.	.13¼	- —
Arsenate,[1,6] basic, powder, 3-lb. bgs., or larger, c.l..lb.	.11½	- .12
l.c.l.....lb.	.12	- .12½
1-lb. ctns., c.l.....lb.	.18½	- .22½
l.c.l.....lb.	.19	- .23
standard, paste, cns, c.l..lb.	.05¾	- .06
l.c.l.....lb.	.06	- .06¼
powder, 3-lb. bgs., or larger, c.l..lb.	.11	- .11½
1-lb. bgs., c.l.....lb.	.16	- .20
l.c.l.....lb.	.16½	- .20½
1-lb ctns., c.l.....lb.	.18	- .22
l.c.l.....lb.	.18½	- .22½
½-lb ctns., c.l.....lb.	.21	- .25
Lead arsenate, standard, powder, ¼-lb. ctns., l.c.l.....lb.	.21½	- .25½

Inside column is maximum OPA prices for manufacturers or distributors; outside column for all other purchasers. Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.

Blue, basic sulphate, bbls., c.l., dlvd. E..lb.	.07½	- —
Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb.	.07¾	- —
l.c.l., dlvd. E.....lb.	.07¾	- —
Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. lb.	.08	- —
Carbonate (see Lead, white).		
Chloride, fib. dms.....lb.	.49	- —
Iodide, NF V. bots.....lb.	2.80	- —
jars.....lb.	2.60	- —
Linoleate, pale, precip., bbls.lb.	.22½	- —
Metal,[1,5] (see Protective Coatings Materials market).		
Metallic paste, dms., works..lb.	No stocks.	
Naphthenate, 24%-30% Pb..lb.	.14¼	- .17½
Nitrate, bbls.....lb.	.12½	- —
Oleate, bbls.....lb.	.17¾	- —
Peroxide, powd., tech., bbls.lb.	.23	- .26
Red, 95% Pb_3O_4 or less, bbls., c.l. (20 tons), dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb.	.09¼	- —
other points.....lb.	.09	- —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash..lb.	.09¾	- —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb.	.10¾	- —
Colo., Mont., N. Mex., Wyo..lb.	.10	- —
other points.....lb.	.09¼	- —
smaller lots, Ala., etc.lb.	.10¼	- —
Ariz., etc.....lb.	.10¾	- —
Colo., etc.....lb.	.10¼	- —
other points.....lb.	.10	- —
in oil, kgs.....lb.	.14	- —
97% Pb_3O_4, bbls., c.l., dlvd. Ala., etc..lb.	.09¼	- —
other points.....lb.	.09¼	- —
l.c.l., 5 tons, dlvd. Ala., etc..lb.	.10	- —
Ariz., etc.....lb.	.10¼	- —
Colo., etc.....lb.	.10¼	- —
other points.....lb.	.09¾	- —
smaller lots, dlvd. Ala., lb.	.10¾	- —
Ariz., etc.....lb.	.11	- —
Colo., etc.....lb.	.10¾	- —
other points.....lb.	.10¼	- —
96%, Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., etc. lb.	.09¾	- —
other points.....lb.	.09½	- —
l.c.l., 5 tons, dlvd. Ala., etc..lb.	.10¼	- —
Ariz., etc.....lb.	.10¾	- —
Colo., etc.....lb.	.10½	- —
other points.....lb.	.10	- —
smaller lots, dlvd. Ala., etc..lb.	.10¼	- —
Ariz., etc.....lb.	.11¼	- —
Colo., etc.....lb.	.11	- —
other points.....lb.	.10¼	- —
Resinate,[4] precip., 23.3% Pb., dms..lb.	.17½	- —
Silicate, bgs.....lb.	.0730	- .0760
Soyate, 26.15% Pb., dms.....lb.	.22¼	- —
Stearate, bbls.....lb.	.31	- .33
Sulphate (see Lead, blue; Lead, white, basic sulphate).		
Tallate, 10% Pb, dms.....lb.	.06½	- —
Titanate, bgs., bbls., c.l., works, frt. alld..lb.	.11	- —
l.c.l., 5 tons, one delivery, E., frt. alld..lb.	.11¼	- —
Pac. Cst., ex whse..lb.	.11½	- —
smaller lots, E. frt. alld. lb.	.11¼	- —
Pac. Cst., ex whse..lb.	.11¾	- —
White, basic carbonate, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo..lb.	.08½	- —
dlvd. other points...lb.	.08¼	- —
l.c.l., dlvd. Ariz., etc...lb.	.08¾	- —
other points.....lb.	.08½	- —
basic sulphate, dry, bbls., c.l., dlvd. Ariz., etc..lb.	.07½	- —
other points.....lb.	.07¼	- —
l.c.l., dlvd. Ariz., etc.lb.	.08	- —
other points.....lb.	.07½	- —
in oil, consumers, kgs.....lb.	.13¼	- .13¾
painters, kgs.....lb.	.12¼	- .12¾
Lecithin, edible, dms., c.l.....lb.	.25½	- —
l.c.l.....lb.	.26½	- .45
in cocoa butter, dms., c.l..lb.	.39½	- —
l.c.l.....lb.	.40¾	- .50
tech., dms., c.l.....lb.	.25½	- —
l.c.l.....lb.	.26½	- .45
vegetable, pure, bots, 100 lbs. lb.	2.75	- —
Lemon peel, bls.....lb.	.30	- .35
Licorice extract, mass, cns....lb.	.25	- .72
powd., bbls.....lb.	.60	- .68
Root, Indian, bls.....lb.	.12	- .14
powder, bbls.....lb.	.18	- .20
Russian, bls.....lb.	.12	- .15
Spanish, bls.....lb.	.13	- .15
Turkish, bls.....lb.	.12	- .15
Lignin extract, tanning grade, bgs., c.l., works..lb.	.04	- —
Lime, chemical (quicklime) lump, pebble, Adams, Mass..ton.	8.00	- —
Annville, Pa.....ton.	7.50	- —
Bellefonte, Pa.....ton.	7.50	- —
Berkeley, W. Va.....ton.	7.50	- —
Buffalo, N. Y.....ton.	9.25	- —
Carey, Ohio.....ton.	7.00	- —
Cedar Hollow, Pa.....ton.	8.50	- —
Crab Orchard, Tenn.ton.	6.90	- —
Eagle Mountain, Va.ton.	7.65	- —
Farnams, Mass.....ton.	8.00	- —
Gibsonburg, Ohio....ton.	7.50	- —
Hannibal, Mo.....ton.	6.50	- —
Keystone, Ala.....ton.	6.90	- —
Knoxville, Tenn.....ton.	6.90	- —
Limedale, Ark.....ton.	7.00	- —
Longview, Ala.....ton.	6.90	- —
Manistique, Mich....ton.	8.00	- —
Marblehead, Ohio....ton.	7.50	- —
Martinsburg, W. Va.ton.	7.50	- —
Menominee, Mich....ton.	8.00	- —
Mitchell, Ind.....ton.	6.50	- —
Newala, Ala.....ton.	6.90	- —
Ripplemead, Va.....ton.	7.65	- —
Riverton, Va.....ton.	7.65	- —
Rockland, Maine....ton.	8.00	- —
Scioto, Ohio.....ton.	6.50	- —
Sherwood, Tenn.....ton.	6.90	- —
Sherwood, Wisc.....ton.	6.50	- —
Springfield, Mo.....ton.	7.00	- —
Woodville Ohio.....ton.	7.50	- —
York, Pa.....ton.	7.50	- —

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- MERCURIC NITRATE
- PHENYL MERCURY COMPOUNDS
- WHITE PRECIPITATE
- MERCURY CYANIDE
- CALOMEL

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INDUSTRIAL AND CONTROL INSTRUMENTS
MILDEWPROOFING OF TEXTILES
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PRESERVATION OF PAINTS
TURF DISEASE CONTROL

SINCE 1870, it has been "*ask Berk for Mercurials.*" For seventy-five years, Berk "know-how" has pointed the way to new uses, developed new products, modified old ones, and explored new fields for the employment of organic and inorganic mercury. This "know-how" is always at the command of any industrial organization seeking the solution to problems where the possibilities of the use of mercury and its compounds promise success.

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ARMY E NAVY

Lime, hydrated, Adams, Mass.	ton.	9.00	- —
Annville, Pa.	ton.	9.00	- —
Bellefonte, Pa.	ton.	9.00	- —
Berkeley, W. Va.	ton.	9.00	- —
Buffalo, N. Y.	ton.	9.50	- —
Carey, Ohio	ton.	8.50	- —
Cedar Hollow, Pa.	ton.	10.00	- —
Crab Orchard, Tenn.	ton.	9.65	- —
Eagle Mountain, Va.	ton.	9.15	- —
Farnams, Mass.	ton.	9.00	- —
Gibsonburg, Ohio	ton.	8.50	- —
Hannibal, Mo.	ton.	8.50	- —
Keystone, Ala.	ton.	10.65	- —
Knoxville, Tenn.	ton.	9.65	- —
LeRoy, Minn.	ton.	10.00	- —
Limedale, Ark.	ton.	9.00	- —
Longview, Ala.	ton.	9.65	- —
Manistique, Mich.	ton.	9.50	- —
Marblehead, Ohio	ton.	9.50	- —
Martinsburg, W. Va.	ton.	9.00	- —
Mitchell, Ind.	ton.	9.00	- —
Mitchell, Ind.	ton.	9.00	- —
LeRoy, Minn.	ton.	10.00	- —
Newala, Ala.	ton.	9.65	- —
Petoskey, Mich.	ton.	9.00	- —
Port Island, Mich.	ton.	9.00	- —
Rapid City, S. Dak.	ton.	12.00	- —
Ripplemead, Va.	ton.	9.15	- —
Rockland, Maine	ton.	9.00	- —
Scioto, Ohio	ton.	8.00	- —
Sherwood, Tenn.	ton.	10.65	- —
Sherwood, Wisc.	ton.	10.00	- —
Springfield, Mo.	ton.	9.00	- —
Woodville, Ohio	ton.	8.50	- —
York, Pa.	ton.	9.00	- —
Spray, paper bgs., Adams, Mass.	ton.	10.00	- —
Annville, Pa.	ton.	10.00	- —
Bellefonte, Pa.	ton.	10.00	- —
Carey, Ohio	ton.	11.00	- —
Farnams, Mass.	ton.	9.50	- —
Gibsonburg, Ohio	ton.	10.00	- —
Marblehead, Ohio	ton.	10.00	- —
Rockland, Maine	ton.	10.00	- —
Scioto, Ohio	ton.	10.00	- —
Woodville, Ohio	ton.	10.00	- —
York, Pa.	ton.	10.00	- —
Lime salts (see Calcium).			
Lime-ammonia-nitrogen[2] 20.5% N. (see Ammonia nitrate-limestone).			
Linalool, cns.	lb.	7.75	- 7.80
Linalyl acetate, ex lignaloe wood, bots.	lb.	8.25	- 8.40
ex petitgrain, bots.	lb.	3.75	- 3.90
Linden flowers with leaves, bls.,	lb.	.85	- .90
Linseed meal,[1,7] 34%, bulk, c.l.	ton.	45.00	- —
32%, bulk, c.l.	ton.	43.00	- —
Litharge, com'l, powd., bbls., c.l., divd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash.	lb.	.08¼-	—
other points	lb.	.08 -	—
l.c.l., 5 tons, divd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	.08¾-	—
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.09¼-	—
Colo., Mont., N. Mex., Wyo.	lb.	.08 -	—
other points	lb.	.08½-	—
smaller lots, divd. Ala., etc.	lb.	.09¾-	—
Ariz., etc.	lb.	.09¾	- —
Colo., etc.	lb.	.09½-	—
other points	lb.	.09 -	—
Lithium carbonate, NF, bbls., kgs.	lb.	1.25	- 1.30
Bromide, bbls., 100-lb. lots, works, frt. equald.	lb.	1.90	- —
smaller lots, works	lb.	1.92	- 1.95
Chloride, jars	lb.	1.65	- 1.70
Citrate, bbls., dms., kgs.	lb.	1.40	- 1.41
Fluoride, bbls.	lb.	2.45	- 2.66
Hydroxide, jars	lb.	1.25	- 1.46
Iodide, bots.	lb.	5.20	—
jars	lb.	5.05	- —
Stearate, fib. dms., 3 tons, works	lb.	.50	- —
Lithopone,[1,4] ordinary, bgs., c.l. (20 tons)	lb.	.04¼-	—
l.c.l.	lb.	.04½-	—
bbls., c.l.	lb.	.04½-	—
l.c.l.	lb.	.04¾-	—
Titanated,[6] (high-strength), bgs., c.l.	lb.	.0560-	—
smaller lots	lb.	.0585-	—
bbls., c.l.	lb.	.0585-	—
smaller lots	lb.	.0610-	—
Lithopone, c.l., divd. Pac. Cst., ¼c. higher; l.c.l. ex. whse. Pac. Cst., ½c. higher.			
Liverwort leaves, bls.	lb.	.65	- .68
Lobelia herb, bls.	lb.	1.10	- 1.15
Lobeline sulphate, bots., wks.	oz.	25.50	-35.00
Logwood extract, crystals, No. 1, bbls., l.c.l.	lb.	.34	- —
No. 2, bbls., l.c.l.	lb.	.32	- —
liquid, No. 1, bbls., c.l.	lb.	.17	- —
No. 2, bbls., l.c.l.	lb.	.16	- —
No. 3, bbls., l.c.l.	lb.	.15½-	—
No. 4, bbls., l.c.l.	lb.	.15 -	—
solid, No. 1, bgs., l.c.l.	lb.	.28	- —
No. 2, bxs., l.c.l.	lb.	.26	- —
No. 3, bxs., l.c.l.	lb.	.23½-	—
No. 4, bxs., l.c.l.	lb.	.23	- —
No. 5, bxs., l.c.l.	lb.	.21½-	—
No. 6, bxs., l.c.l.	lb.	.83½-	44⅛
Lovage, American (ligusticum actae folium), root, bls.	lb.	1.20	- 1.50
Lupulin, NF, 1944 crop, tin.	lb.	12.75	-13.00
Lycopodium, USP, cs.	lb.	1.25	- 1.50

M

Mace,[1,7] Amboyna, cs.	lb.	.77	Nom
Banda, cs.	lb.	.98	Nom
West Indian, bgs.	lb.	.62	Nom
No. 1, bgs.	lb.	.60	Nom
broken, bgs.	lb.	.55	Nom
Madder, Dutch, bbls.	lb.	.24	- .30
Magnesia arsenate,[1] dms.	lb.	.153	- .18
Calcined, tech., USP, bbls., works.	lb.	.26	- —
Carbonate, tech., bgs., c.l., l.c.l., Zone 1	lb.	.07¼-	—
bbls., c.l., Zone 1	lb.	.07½-	—
l.c.l., Zone 1	lb.	.08½-	—
kgs., c.l., Zone 1	lb.	.08¾-	—
l.c.l., Zone 1	lb.	.09¾-	—
USP, bgs., c.l., Zone 1	lb.	.08 -	—
l.c.l., Zone 1	lb.	.09 -	—
bbls., c.l., Zone 1	lb.	.08½-	—
l.c.l., Zone 1	lb.	.09½-	—
kgs., c.l., Zone 1	lb.	.09¾-	—
l.c.l., Zone 1	lb.	.10¾-	—

Magnesia carbonate prices, basis Phillipsburg, N. J., and Plymouth Meeting, Valley Forge, Pa.; l.c.l. prices ¼c. lower, Zone 2 store delivery; store door delivery, both zones. Zone 1—Conn., Del., D. C., Md Mass., N. J., N. Y., Pa., and R. I.; Zone 2, remainder of U. S.

Magnesia chloride, anhyd., bbls., divd.	lb.	.12¾-	—
flake, bbls., c.l., works	ton.	32.00	- —
l.c.l., works	ton.	39.00	-42.00
Fluoride, bbls.	lb.	.20	- .21
Hydroxide, medicinal, bbls., dms., kgs.	lb.	.29	- .30
Hypophosphite, cns.	lb.	1.45	- —
Laurate, bbls.	lb.	.33	- .38
Oxide (see Magnesia, calcined)			
Peroxide, 15%, dms., works.	lb.	1.00	- 1.35
Phosphate, tribasic, USP, bbls.	lb.	.60	- —
Silicate (see Talc).			
Silicofluoride, bbls.	lb.	.08	- .09
Stearate, ctns.	lb.	.31	- .32
Sulphate (see Epsom salt)			
Trisilicate, dms., 1,000-lb. contracts.	lb.	.37	- —
smaller lots	lb.	.42	- —
Magnesite, cal., powd., bgs., c.l., mines, Calif.	ton.	58.75	- —
dead-burnt,[1] bulk, c.l., f.o.b. Chewelah, Wash.	ton.	22.00	-32.00
Maleic anhydride, dms., c.l.	lb.	.25	- —
l.c.l.	lb.	.26	- —
Malva flowers, black, bls.	lb.	No stocks	
blue, bls.	lb.	1.25	- 1.30
Leaves, bls.	lb.	.43	- .44
Manaca root, bls.	lb.	.23	- .24
Mandrake root, bls.	lb.	.33	- .34
Manganese acetate, dms.	lb.	.25½-	—
Arsenate,[6] bgs.	lb.	.12	- .13¾
Borate, tech., bbls.	lb.	.16	- .19
Carbonate, bbls.	lb.	.19	- —
Chloride, anhyd., bbls.	lb.	.15	- .18
Dioxide, African, battery, 84%-87%, bbls., 28-40 tons, works.	ton.	74.00	- —
smaller lots, works.	ton.	77.00	-82.00
Caucasian, 85-90%, bbls., c.l., works.	ton.	74.00	- —
smaller lots, works.	ton.	77.00	-82.00

Manganese, dioxide, Caucasian, 85-90%, burlap bgs., c.l., works,	ton.	71.75	- —
l.c.l., works	ton.	74.75	-79.75
paper bgs., c.l., works.	ton.	70.00	- —
l.c.l., works	ton.	73.00	- —
Glycerophosphate, bgs., bbls., 1,000-lb. lots.	lb.	3.05	- —
100-lb. lots	lb.	3.15	- —
cns., 25 lbs.	lb.	3.27	- —
Hydrate, bbls., divd.	lb.	.26	- —
Iodide, bots.	lb.	5.70	- —
jars	lb.	5.55	- —
Linoleate, liquid, 4%, dms.	lb.	.20	- —
solid, precip., 8.2%, bbls.	lb.	.22	- —
Naphthenate,[6] 6% Mn, dms.	gal.	.16	- —
Resinate, fused, 3½%, bbls.	lb.	.09	- .10½
precip., dms.	lb.	.14½-	.15½
Soyate, 8.2% Mn, dms.	lb.	.22	- —
Sulphate, anhyd., dms., works,	lb.	No stocks	
feed grade, 77-80%, bgs.	lb.	.04	- .05
fertilizer grade, 65%, bgs., c.l., divd. East.	ton.	59.50	- —
l.c.l., same basis, or Balto. or Cincinnati	ton.	68.50	- —
Industrial grade, 80%, bgs.	lb.	.05	- .05½
Tallate, 4% Mn, dms.	lb.	.09	- —
Mangrove bark,[1,6] E. Africa, 38% tannin, c.l., ex dock, U. S ports.	ton.	67.50	- —
Manna, flake, large, cs.	lb.	No stocks	
small, cs.	lb.	No stocks	
Mannitol,[6] com'l, bbls., works.	lb.	.33	- .40
reagent, cs. or multiples, works.	lb.	.35	- —
Marjoram, Argentine, bls.	lb.	.14	Nom.
California, French type, new crop, bls., Pacific Coast.	lb.	.24	- .28
Chilean, bls.	lb.	.13½-	.14
Matico leaves, bls.	lb.	.23	- .26
Menadione, USP, bots.	gram.	.10	- —

Menthol, natural, USP, cns.	lb.	4.75	- 5.00
synthetic, tech., cns.	lb.	No prices	
USP, laevo, cns.	lb.	No prices	
racemic, cns.	lb.	4.00	- 4.05
Menthyl salicylate, tins.	lb.	3.00	- 3.10
Mercurial ointment, USP, mild, 10%, tubs.	lb.	.70	- .72
30%, pails.	lb.	1.30	- —
50%, pails.	lb.	1.88	- 1.90
Mercury bichromate[3] (see Corrosive sublimate).			
Bisulphate,[3] dms.	lb.	2.50	- 2.60
Chloride,[3] (see Calomel).			
Cyanide,[3] cryst., powd.	lb.	3.86	- —
Iodide,[3] red, NF, dms., kgs.	lb.	4.30	- —
yellow, fib. dms., kgs.	lb.	4.38	- —
Nitrate ointment (see Citrine ointment).			
Oxide,[3] red, NF (see Red precipitate).			
yellow, USP, fib. dms.	lb.	2.94	- 2.96
tech. (see Yellow, mercury oxide).			
Mercury and chalk,[3] dms.	lb.	1.65	- 1.70
Mesityl oxide, dms., c.l., divd.	lb.	.11½-	—
l.c.l., divd.	lb.	.12	- —
tanks, divd.	lb.	.10½-	—
Metal leaf, composition, 5½x5½ in.	pkg.	3.00	- —
Gold X+, deep, 23, 3⅛x3⅛ in.,	pkg.	15.00	- —
Silver, 3⅛x3⅛ in.	pkg.	3.00	- —
Metanitroparatoluidin, bbls.	lb.	1.05	- 1.10
Metaphenylenediamine, kgs.	lb.	.65	- —
Metatoluylenediamine, kgs.	lb.	.70	- —
Methanol,[1] natural, all grades, dms., c.l., E. of Miss. R.,	gal.	.53	- —
l.c.l., same basis	gal.	.73	- —
tanks, same basis	gal.	.60	- —

Inside prices on natural methanol W. of Miss. R., 3c. higher

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These trained packaging specialists in the Bemis Shipping Research Laboratory eliminate guesswork in protective packaging. They study your product, analyze the conditions under which it will be handled, and then determine what materials and type of bag construction will give you just the protection you require.

Finally, they test the bag selected under extremes of shipping and storage conditions. When it receives a final "O.K." by the Bemis Shipping Research Laboratory, you can be sure your "baby" will travel safely.

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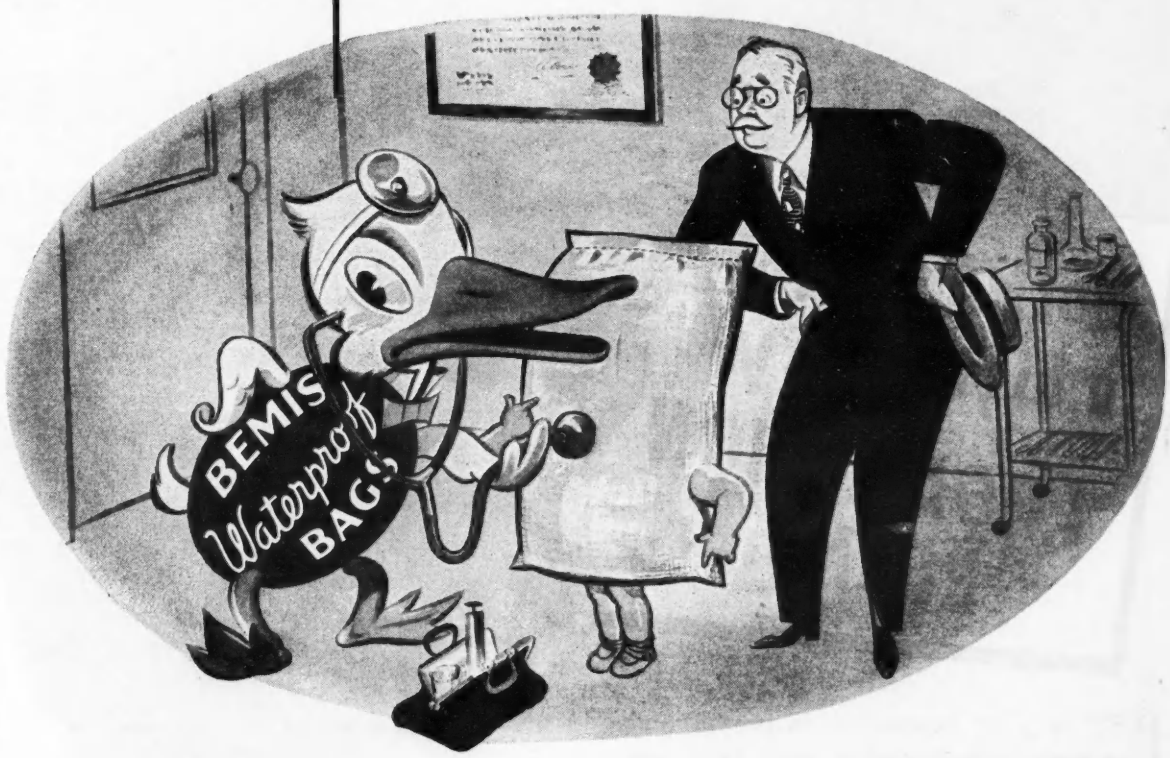
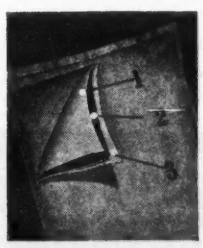


Here's Why Bemis Waterproof Bags are Sturdy, Efficient



1. Inside layer of flexible creped kraft paper impregnated with a...
2. Layer of waterproof adhesive that also seals the pores in the...
3. Outside layer of burlap or cotton and cements both layers together.

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City _____ *State* _____

Methanol, synthetic, dms., c.l., Zone 1, frt. alld..gal. .31 - —
2, frt. alld. or dlvd....gal. .34 - —
3, frt. alld.....gal. .36 - —
4, frt. alld.....gal. .38 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .36 - —
2, frt. alld.....gal. .43 - —
3, dlvd. S. P. and L. A. gal. .41 - —
4, frt. alld. or dlvd...gal. .51½ - —
tanks, Zone 1, frt. alld..gal. .34 - —
2, frt. alld.....gal. .37 - —
3, frt. alld.....gal. .39 - —
4, frt. alld.....gal. .39 - —

Synthetic methanol zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb., N. H., N. J., N. Y., N. C., O., Pa., R. I., S. C., Tenn., Vt., Va., W. Va., and Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., N. Mex., N. Dak., Okla., S. Dak., Tex., and Wyo. Zone 3—Los Angeles and San Francisco. Zone 4—Ariz., Calif. (with exception of Los Angeles and San Francisco), Ida., Mont., Nev., Ore., Utah, and Wash. Buyers in zone 4 have the option of buying at the delivered zone 4 price or at the zone 3 price, f.o.b. Los Angeles and San Francisco.

Methyl abietate, non-ret. dms., c.l., dlvd..lb. .06½ - —
10 dms., dlvd.....lb. .09½ - —
1-9 dms., dlvd.....lb. .10¾ - —
hydrogenated, non-ret. dms., c.l., dlvd..lb. .12 - .13½
10 dms.....lb. .13½ - .16¾
1-9 dms.....lb. .14¾ - .17¾
Acetate, CP, 97-99%, dms., c.l., E. of Miss..lb. .10½ - .12
W. of Miss.....lb. .11½ - .13

Methyl acetate, c.p., 97-99%, dms., l.c.l., E. of Miss.....lb. .11 - .14
W. of Miss.....lb. .12 - .13½
tanks, E. of Miss.....lb. .09½ - —
W. of Miss.....lb. .10½ - —
tech., dms., c.l., E. of Miss. lb. .07 - .09
W. of Miss.....lb. .08 - —
l.c.l., E. of Miss.....lb. .07½ - .11
W. of Miss.....lb. .09½ - .10½
tanks, E. of Miss.....lb. .06 - —
W. of Miss.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .20½ - —
Acetone, natural, Group A, dms. incl.. c.l., E. of Miss., frt. alld..gal. .66 - —
l.c.l., same basis....gal. .76 - —
tanks, same basis.....gal. .60 - —

Natural methyl acetone prices W. of Miss. R., 3c. per gal. higher.

Group B, dms, c.l., Zone 1, frt. alld..gal. .63 - —
Zone 2, same basis.gal. .65 - —
Zone 3, same basis.gal. .67 - —
Zone 4, same basis.gal. .69 - —
l.c.l., Zone 1, same basis, gal. .66 - —
Zone 2, same basis.gal. .68 - —
Zone 3, same basis.gal. .70 - —
Zone 4, same basis.gal. .83 - —
Zone 1, same basis..gal. .60 - —
Zone 2, same basis.gal. .62 - —
Zone 3, same basis.gal. .64 - —
Zone 4, same basis.gal. .64½ - —

Natural methyl acetone zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3—Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4—Ariz., Cal., Idaho, Mont., N. Mex., Nev., Ore., Utah, Wash.

Methylacetone, synthetic, dms., c.l., Zone 1.....gal. .51 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .53½ - —
Zone 4.....gal. .54½ - —
l.c.l., Zone 1.....gal. .54½ - —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½ - —
tanks, Zone 1.....gal. .43 - —
Zone 2.....gal. .44½ - —
Zone 3.....gal. .45½ - —
Zone 4.....gal. .46½ - —

Synthetic methyl acetone zones are:—Zone 1—Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis. Zone 2—Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo. Zone 3—Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore. and Seattle, Wash. Zone 4—Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Alcohol (see Methanol).

Anthranilate, bots.....lb. 2.20 - 2.35
Benzoate,[6] cns.....lb. .48 - —
Bromide, cns.....lb. .75 - .80
cyls. .....lb. .65 - .75
Chloride, refrigeration, cyls., 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 - —

Methyl chloride, refrig., cyls. service men and consumers, cyl..lb. .36 - —
50 to 400 lbs., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers..lb. .40 - —
tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .36 - .40

Methyl chloride quotations are spot or contract, ship. point; prices above are in 60, 90 and 180-lb. cylinders; 20-lb. cylinders, 10c. per pound higher.

Cinnamate, cns.....lb. 2.25 - —
Formate, dms.....lb. .39 - —
Iodide, bots.....lb. 4.00 - 4.15
Lactate, dms., c.l., dlvd.....lb. No stocks
Oleate, dms., c.l.....lb. .35 - —
Salicylate,[1] dms., 500 lbs....lb. .35 - —
25-50 lbs.....lb. .37 - .38
Methylamyl ketone, cns., dms., works..lb. .30 - .33
Methylcellulose, special, vis. (4,000 cps.) fib. otns., 2,000 lbs. or more, frt. alld..lb. .60 - —
smaller lots, frt. alld....lb. .65 - .70
standard vis. (15-1,500 cps.), fib. otns., 2,000 lbs. or more, frt. alld..lb. .58 - —
smaller lots, frt. alld....lb. .58 - .63
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —
Methylcyclohexanone, 98-100%, dms., works..lb. No stocks
Methylene blue, USP, kgs.100 lbs. 2.00 - 2.15
cns., 5 lbs.....lb. 2.25 - —
Chloride, refrig., dms., wks..lb. .16 - .23
solvent, dms., works.....lb. .12 - .15
Methylethyl ketone, dms., dlvd. lb. .09 - —
l.c.l., dlvd.....lb. .09½ - —
tanks, dlvd.....lb. .08 - —
Methylhexyl ketone, dms., tech., works..lb. .30 - —
Methylisobutyl ketone, dms., c.l., dlvd..lb. .11½ - —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½ - —
Methylnaphthyl ketone, cns...lb. 3.25 - —
Methylpentanediol, dms., c.l., works..lb. .16 - —
l.c.l., works.....lb. .16½ - —
1 and 5-gal. cont., works..lb. .20½ - .22½
tanks, works.....lb. .15 - —
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works.ton.45.00 - —
l.c.l., works.....ton.48.50 - —
roofing, 20 mesh, bgs., c.l., works..ton.30.00 -32.50
l.c.l., works.....ton.35.50 -37.50
30-31 mesh, bgs., c.l., works. ton.30.00 -32.50
l.c.l., works.....ton.35.00 -37.50
40-45 mesh, bgs., c.l., works. ton.30.00 -32.50
l.c.l., works.....ton.35.00 -37.50
80 mesh, bgs., c.l., works. ton.37.50 -40.00
l.c.l., works.....ton.41.50 -43.00
graphite, bulk, Pa., mines.ton.80.00 - —
wet-grd., biotite, bgs., c.l., works, frt. alld. E..lb. .04½ - —
l.c.l., ex whse., or frt. alld. E..lb. .04¾ - —
extra fine, bgs., c.l., works, works, frt. alld. E..lb. .04 - —
l.c.l., ex whse. or frt. alld. E..lb. .04½ - —
paint or lacq., bgs., c.l., works, frt. alld. E..lb. .05 - —
l.c.l., ex whse. or frt. alld. E..lb. .05½ - —
rubber, bgs., c.l., works, frt. alld. E..lb. .04¾ - —
l.c.l., ex whse. or frt. alld. E..lb. .05¼ - —
wallpaper, bgs., c.l., works, frt. alld. E..lb. .05 - —
l.c.l., ex whse. or frt. alld. E..lb .05½ - —
white, extra fine, bgs., c.l., works, frt. alld. E..lb. .06 - —
l.c.l., ex whse. or frt. alld. E..lb. .06½ - —

Mica, wet-grd., W. of Miss. R., ½c. higher; W. of Rockies, 1c. higher.

Milk powder,[1,7] skimmed, roller, bulk, c.l...lb. .14¼ - —
spray, bulk, c.l.....lb. .13¾ - —
whole, roller, bbls., c.l.....lb. .29 - —
spray, bbls., c.l.....lb. .30 - —
Milk sugar,[1] bbls., c.l., works.lb. .26 - —
l.c.l., works.....lb. .26¾ - .27¼
Mineral spirits (see Petroleum, mineral spirits).
Molasses,[1,4] blackstrap, tanks, works, Area 1..gal. .18 - —
Area 2.....gal. .18½ - —
Area 3.....ton.26.00 - —
Area 4.....ton.29.00 - —
tanks, Area 5.....ton.34.60 - —

Area 1, Fla., Ga., La., Tex.; Area 2, Mass., Md., N. J., N. Y.; Area 3, Calif; Area 4, Colo., Idaho, Kan., Mont., Neb. (excepting Grand Island), S. D., Utah, Ore., Wash., Wyo.; Area 5, Ia., Md., Mich., Minn., Grand Island, Neb., Ohio, Wis.

Molydbate orange (see Orange, molybdate).
Molybdenum metal,[1,8] kgs., 99%, powd..lb. 2.60 - 3.00
Trioxide,[8] pure, kgs., works, basis Mo. content..lb. .95 - —
technical, kgs., works, basis Mo. content..lb. .80 - —
Monoamylamine, dms., c.l., works, basis 100%..lb. .61 - —
l.c.l., works, basis 100%, lb. .64 - —
Monochlorobenzene, dms., c.l., works..lb. .06½ - —
l.c.l., works.....lb. .07 - .09
Monoethanolamine, dms., c.l., frt. alld. E..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Monoethylamine, dms., c.l., works, basis 100%..lb. .17 - —
l.c.l., works, basis 100%..lb. .18 - —
tanks, 100% basis, works....lb. .15 - —
Monomethylamine, dms.....lb. .95 - —
Monomethylpara-aminophenol sulphate, dms..lb. 2.40 - 2.90
Monosodium phosphate (see Soda phosphate, monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Hydrobromine, 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....ob. 8.75 - —
Morphine hydrochloride, bots., 5 ozs..oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —

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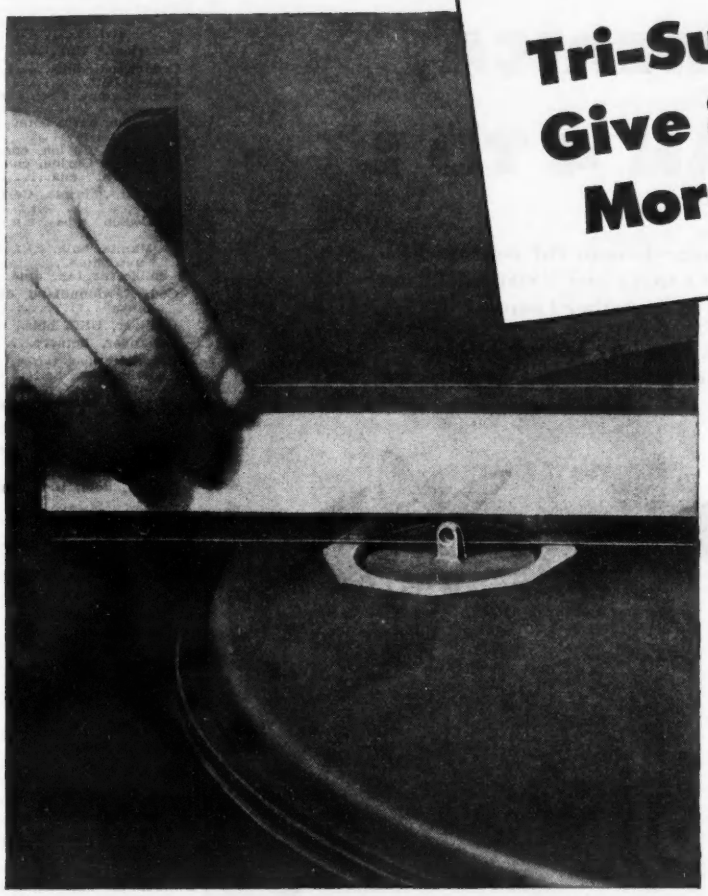

Photograph of T-square placed across the closure fitted in the drum clearly shows the flush fitting of the flange which allows complete drainage.

ONE of the major oil companies recently made exhaustive tests to determine the efficiency of drum closures from the standpoint of drainage.

Tri-Sure and other types of closures were tested in 55 gallon drums under identical conditions. After draining the contents (Lube Oil) from the drums only 3.38 fluid ounces remained in those fitted with Tri-Sure Closures, the average contents remaining in all other drums being 11.72 fluid ozs.

Benefit to users of Tri-Sure fitted drums — 8.34 fluid ounces — the equivalent of more than 600 gallons in every 10,000 drum shipment.

In addition, drums sealed with Tri-Sure Closures assure protection from leakage, seepage, tampering, substitution and breathing.

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Morpholine, dms., l.c.l., works, lb. .67 - —
smaller containers, works...lb. .75 - —
Mullein leaves, cns.....lb. .12 - .18
Musk, nat., Tonquin, grains, bots., oz.55.00 -60.00
synthetic, ambrette, cns., 100 lbs., or more..lb. 4.00 - 9.10
25 lbs.....lb. 4.10 - 9.10
5 lbs.....lb. 4.25 - 9.45
Ketone, cns., 100 lbs. or more..lb. 4.15 - 9.25
25 lbs.....lb. 4.25 - 9.35
5 lbs.....lb. 4.40 - 9.70
xylol, cns., 100 lbs. or more, lb. 1.40 - 2.00
25 lbs.....lb. 1.50 - 2.00
5 lbs.....lb. 1.65 - 2.90
Muskroot, bls.....lb. 2.25 - 2.80
Mustard seed, Calif., brown, bgs., lb. .13 - .13½
yellow, bgs.....lb. .19 Nom.
Montana, brown, bgs.....lb. .09½- .10
oriental, bgs.....lb. .09½- .09¾
yellow, bgs.....lb. No stocks
Washington, yellow, bgs.....lb. .24½- .25
Myrobalans,[1] whole, J1, U. S. ports, ex dock..ton.54.00 - —
J2, same basis.....ton.47.00 - —

N

Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene,[2] crude, dom., 74°, bgs., c.l., frt. equald..lb. .06 - —
bbls., c.l., same basis...lb. .061 - —
tanks, same basis.....lb. .0275- —
78°, bgs., c.l., same basis.. lb. .0325- —
bbls., c.l., same basis...lb. .0335- —
tanks, same basis.....lb. .03 - —
Naphthalein, refined, balls, flakes, bbls., wholesalers and jobbers, works..lb. .08 - —
50-lb. cs., same basis....lb. .08¼- —
1-lb. pkgs., same basis...lb. .08¾- —
Neocinchophen, USP, dms.....lb. 7.00 - 7.10
Nephelinesyenite, glass grade, 24 mesh, bulk, Rochester, N. Y..ton.12.00 - —
pottery grade, 200 mesh, bulk, Rochester, N. Y..ton.15.50 - —
Nephelinesyenite in bgs. is $2 per ton higher than bulk.
Neroline, crys., cns.....lb. 1.70 - 1.80
Niacin (see Acid, nicotinic).
Nickel,[6,5] carbonate, bbls.....lb. .36 - .36½
Chloride,[6] bbls.....lb. .18 - .20
Cyanide,[6] bots., dms.....lb. No stocks
Oxide,[6,5] black, bbls.....lb. .35 - .36
Salt,[6,5] bbls.....lb. .13 - .13½
Nicotine sulphate, 40%, dms., 50 lbs. to dealers, frt. allowed over 90 lb-..lb. .3660- —
tins, 10 lbs.....lb. 1.015 - —
Nicotinamide,[6] USP, dms....kilo.13.25 13.55
Nikethamide, bots., cbys.....lb. 9.00 -12.00
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l., lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble,[4] ½ sec., 30-35 cps., bbls., works, dry weight..lb. .28 - —
5-6, 40-60 cps., same basis, lb. .27 - —
ester-soluble,[4] ¼, ½ sec., 30-35 cps., bbls., works, dry weight..lb. .26 - —
5-6, 15-20 cps. and higher, bbls., works, dry weight, lb. .25 - —
Nitrocellulose:—Denatured alcohol used in manufacture is charged extra. Barrels extra, but returnable.
Nitroethane, dms., works.....lb. .35 - —
Nitrogen solut.,[6] tanks....ton N.108.21 - —
Prices adjusted to ammonia sulphate basis from ports, and anhydrous ammonia basis.
Nitrogenous process tankage,[1,7] Hopewell, Va., bulk, works, unit-ton. 3.15 - 3.50
Sewage sludge,[1] bulk, works, unit-ton, 2.60 + .40 - 3.00 + .40
Nitromethane, dms., c.l., works, lb. .25 - —
Nitronaphthalene, bots.....lb. .24 - .25
Nitropropane I, dms., works...lb. .25 - —
II, dms., works.....lb. .25 - —
Nutgalls,[5] Aleppo, bgs.....lb. No stocks
Chinese, bgs.....lb. No stocks
Nutmegs,[1,7] West Indian, No. 1, futures..lb. .34¼- .34¾
Nux vomica, bls.....lb. .10 - .11
powder, bbls., bxs.....lb. .13½- .14

O

Oakbark extract,[1,6] 25% tannin, bbls., c.l., works..lb. No stocks
Octane,[1] 100° C-140° C, industrial, grade, dms., c.l., G.S..gal. .15½- —
l.c.l., G.S.....gal. .20 - —
10 gals., G.S.....gal. .55 - —
tanks, G.S.....gal. .13 - —
Octanol, normal, tech., 360-lb. dms., dlvd..lb. .35 - —
Oil, almond, artificial (see Benzaldehyde).
Bitter, F.P.C., bots.....lb. 4.00 - 5.25
USP, bots.....lb. No prices
Sweet, exp., dms., cns.....lb. 1.20 - 1.65
Angelica root, bots.....lb.125.00 -300.00
Seed, bots.....lb. No stocks
Anilin (see A).
Anise, Russian, USP, cns....lb. 4.00 - —
Apricot kernel, cns.....lb. .45 - .50
Avocado, cns., dms.....lb. 1.05 - 1.25
Babassu,[1,7] tanks.....lb. .1110- —
Oil, bay, W. I., 50-55%, cns..lb. 1.45 - 1.65
Puerto Rican, 55-60%, cns..lb. 1.75 - —
Bergamot, artif., cns.....lb. 2.25 - 6.00
natural, Italian, cns.....lb. 8.75 -10.00
Birch (see Oil, sweet birch).
Birchtar, crude, cns.....lb. No stocks
rectified, cns.....lb. No stocks
Bois de rose, Brazil, cns.....lb. No stocks
Mexican (see Oil, lignaloe wood).
Bone, dms., works.....gal. .65 - .70
Cade, USP IX (see Juniper tar).
Cajeput, tech., dms.....lb. No stocks
redistilled, USP IX, cns....lb. No stocks
Calamus, cns.....lb.20.00 -21.00
Camphor, synthetic, white, cns. lb. .18 - .23
Cananga, native, cns.....lb. 8.00 -10.00
rectified, cns.....lb. No stocks
Capsicum (see Capsicum, oleoresin)
Caraway, NF, cns.....lb. 9.00 -11.50
Cardamom, bots.....lb.17.00 -18.00
Cassia, USP, cns.....lb. No stocks
Castor,[1] blown, ret. dms., c.l. lb. .15½- —
l.c.l. .....lb. .16 - —
cold pressed, USP, bbls., cl. lb. .14 - —
l.c.l. .....lb. .14½- —
cns. .....lb. .15¾- .17¾
dms., c.l.....lb. .13¾- —
l.c.l. .....lb. .14½- —
tanks .....lb. .13 - —
dehyd., bodied, dms., c.l...lb. .1790- —
l.c.l. .....lb. .1830- —
tanks .....lb. .1750- —
unbodied, dms., c.l.....lb.16.90 - —
tanks .....lb. .1650- —
No. 3 tech., bbls., c.l.....lb. .13¾- —
l.c.l. .....lb. .14½- —
dms., c.l.....lb. .13½- —
l.c.l. .....lb. .14½- —
tanks .....lb. .13¾- —
sulphonated 50% (48% fat), dms., c.l..lb. .09½- .09¾
l.c.l. .....lb. .10½- .11
75% (63% fat), dms., c.l..lb. .12½- .12¾
l.c.l. .....lb. .13 - .13¼
80% (68% fat), dms., c.l..lb. .12¾- .13
l.c.l. .....lb. .13¾- .14
Cedarleaf,[1] USP, cns., dms..lb. 2.50 - 2.75
Cedarwood, dms.....lb. 1.00 - 1.10
Celery, bots.....lb.16.50 -18.00
Chaulmoogra, USP, cns.....lb. .65 - .70
Chinawood (see Oil, tung).
Cinnamon bark, bots.....lb.32.50 -34.50
leaf, dms.....lb. 1.50 - 1.65
Citronella, Ceylon, cns.....lb. 1.70 - 1.75
Citronella, Ceylon, cns.....lb. 1.60 - 1.75
Clove, USP, cns.....lb. 1.65 - 1.80
Coconut,[1,7] crude, Ceylon, bulk, c.i.f. N. Y..lb. .0585- —
Cochin type, bulk, c.i.f. N. Y..lb. .0635- —
Manila, bulk, c.i.f. N. Y..lb. .0635- —
ret. dms.....lb. .0685- .0985
edible, ex tax, dms.....lb. .0985- —
Cod, Newfoundland, dms...gal. .88 - .90
tanks .....gal. .86 - —
Codliver, USP, bbls., dms..gal. 2.15 - 2.25
Coriander, bots.....lb.25.00 -35.00
Corn,[1,7] crude, tanks, works..lb. .12¾- —
edible, dms., l.c.l.....lb. .16¼- .16½
tanks .....lb. .1502- —
foots, acid 95%, tanks, dlvd. E..lb. .07¼- —
raw, 50%, tanks, dlvd. E..lb. .03¾- —
salad, l.c.l., dms.....lb. .16¾- .17
Creosote (see C).
Croton, NF, cns.....lb. 4.00 - 4.75
Cubeb, cns.....lb. No prices
Crude (see Petroleum, crude)
Cumin, bots.....lb. No stocks
Cypress, bots.....lb.12.00 - —
Degras (see D).
Dillseed, bots.....lb. 7.00 - —
Dillweed, bots.....lb. 4.00 - 5.00
Dip (see D).
Erigeron, cns .....lb. 2.25 - 2.40
Eucalyptus, 80-90%, cns.....lb. 1.18 - 1.40
Fennel, sweet, cns.....lb. No stocks
Fir, Canada, cns.....lb. 2.25 - 2.75
Fishliver,[1,5] dms., less than 40,000 A units per gram... per million units. .14 - —
for each 1,000 additional A units up to 200,000 per gram. per million units. .001 - —
200,000 or more A units.... per million units. .30 - —
Fuel (see Petroleum, fuel oil).
Gaultheria (see Oil, wintergreen)
Geranium, Algerian, cns....lb. No stocks
Bourbon, cns.....lb.16.00 -22.00
Russian, cns .....lb. No stocks
Turkish (see Oil, palmarosa).
Ginger, dist., bots.....lb.13.00 -13.50
Grapefruit, cns.....lb. 2.05 - 2.75
Grease, common, No. 1, bbls., c.l..lb. .14 - —
extra, No. 1, bbls., c.l.....lb. .14½- —
Winter strained, bbls., c.l..lb. .15 - —
prime, burning, bbls., c.l..lb. .16 - —
inedible, bbls., c.l.....lb. .15½- —
Guaiacwood, cns.....lb. 3.25 - 4.00
Hemlock, cns.....lb. 2.60 - —
Herring,[1] crude, tanks, Pac. coast..lb. .089 - —
Juniper, berry, dom., bots....lb. 6.75 - 7.50
Juniper tar USP (see Juniper Tar).
Juniper wood, tech., cns.....lb. .80 - 1.00
Lard oil (see Oil, grease)
Laurel, bots.....lb. No prices
Lavandin, cns.....lb. 3.00 - 3.75
Lavender flower, French, 38%-42% ester, cns..lb.16.00 -18.00
35%-38% ester, cns.....lb.14.00 -16.00
Russian, cns.....lb. No stocks
spike, Spanish, pure, cns...lb. 2.75 - 3.10
tech., cns.....lb. 2.25 - 2.50
Lemon, USP, Calif., cns.....lb. 3.25 - —
Messina,[1] cns.....lb. No stocks
Terpeneless, bots.....lb.40.00 -50.00
Lemongrass, cns., dms.....lb. 2.50 - 2.65
Lignaloe seed, Mexican, cns. lb. No stocks
wood, Mexican, cns.....lb. 4.75 - 5.00
Brazilian (see Bois de Rose).
Lime, distilled, Mexican, cns., lb. 6.25 - 6.75
West Indian, cns.....lb. 7.25 - 7.50
expressed, West Indian, cns., lb.13.50 -15.00
Linseed,[1,7] raw, dms., c.l...lb. .1550- —
l.c.l. .....lb. .1600- .1660
tanks .....lb. .1470- —
tankwagon .....lb. .1470- —
Boiled linseed oil, .004 higher than raw.
Linseed, replacement, dms., c.l..lb. .1460- .1550
tanks .....lb. .1320- .1470

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Over 80% of all the Lemon Oil used in America is *Exchange* Lemon Oil—over four of every five pounds.

This overwhelming endorsement by the trade is your assurance that Exchange Lemon Oil delivers FLAVOR, CLARITY and UNIFORMITY not found in any other Lemon Oil.

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CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT, ONTARIO, CALIF.

Producing Plant:

EXCHANGE LEMON PRODUCTS CO., CORONA, CALIF.

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Oil, lubricating,[1] at refinery, ex-tax, California, neutral, pale, 200-800 vis., 2¼-4 pour, tanks	gal.	.07½- .11
red, 200-800 vis., 4-6½ pour, plus tanks	gal.	.07½- .11¼
Group 3, bright stock, 150-180 vis., 0.25 pour, tanks	gal.	.25 - —
neutral, 300 vis., No. 2, col., 0-10 pour, tanks	gal.	.14½- .18
200-280 vis., No. 3, col., 15-25 pour, tanks	gal.	.15 - .17½
Pa., bright stock, 140-150 vis., No. 8 color, 10-25 pour, tanks	gal.	.24 - .30½
cylinder o i l s, 600-650 flash, tanks	gal.	.15 - .17
600-650, steam refd., tanks	gal.	.15 - .15½
neutral, 70° F., No. 3 color, 150 vis., 25 pour, tanks	gal.	.27 - .31
200 vis., 25 pour, tanks	gal.	.28 - .32
Mace, dist., cns., dms.	lb.	4.75 - 5.25
Mandarin, Brazilian, cns.	lb.	6.75 - 8.00
Menhaden,[1,7] crude, tanks, Balte.	lb.	.0690- —
refined, alkali, dms., c.l.	lb.	.1400- —
kettle-bodied, dms., l.c.l.	lb.	.1500- —
light-pressed, dms., l.c.l.	lb.	.1300- —
tanks	lb.	.1225- —
Mineral, white (see Oil, white mineral).		
Mustard, artif., USP, cns.	lb.	1.45 - 1.65
Seed, exp., dms., extra	lb.	.14¾- —
Neatsfoot,[1] 15°, bbls., c.l.	gal.	1.85 - 1.90
20°, bbls., c.l.	gal.	1.80 - —
30°, bbls., c.l.	gal.	1.60 - 1.65
pure, bbls., c.l.	lb.	.15½- .16
Neroli, bots.	lb.	250.00 -350.00
Nutmeg, dist., cns., dms.	lb.	4.75 - 5.25
Olticica,[1] liquid, dms., c.l.	lb.	.24 - —
dms., l.c.l.	lb.	.24½- .25
Oleo,[1,7] extra dms., Chicago	lb.	.1304- —
prime, dms., Chicago	lb.	.1275- —
Olibanum, bots.	lb.	5.00 - —
Olive, denat., dms.	gal.	No stocks
edible,[1] Calif., 3%-½% f.f.a., dms., extra, works	gal.	4.30 - 4.80
imported, dms.	gal.	No stocks
foots,[1] dom., dms., c.l.	lb.	.19 - —
tankcars, works	lb.	.17 - —
imp.,[1] dms., c.l., ex dock	lb.	.18 - —
tankcars, ex dock	lb.	.17 - —
sulphonated, 50% (40% fat), dms., c.l.	lb.	No stocks
l.c.l.	lb.	No stocks
80% (68% fats), dms., c.l.	lb.	No stocks
l.c.l.	lb.	No stocks
95% (68% fat), dms., c.l.	lb.	No stocks
l.c.l.	lb.	No stocks
Orange, sweet, dist., cs.	lb.	1.25 - —
expressed, USP, Brazilian, cns.	lb.	1.35 - 1.60
Calif., cns.	lb.	1.65 - 2.00
Florida, cns., dms.	lb.	1.40 - 1.60
Messina, coppers	lb.	No stocks
West Indian, cns.	lb.	2.75 - 3.00
sesquiterpeneless bots.	lb.	100.00 -112.00
Origanum, Spanish, cs.	lb.	2.40 - 2.75
Palm,[1,7] Niger, dms.	lb.	.0965- —
Palmarosa, cns.	lb.	5.75 - 6.50
Palmkernel,[1,7] crude, bulk, c.i.f. N.Y.	lb.	.0635 Nom.
Paraffin,[1,4] 300° flash, 100-110 vis., tanks, G.S.	gal.	.08¾- .08½
320° flash, 60-70 vis., tanks, G.S.	gal.	.08 - —
350° flash, 70-80 @ 100 vis., 0/10 pour, G.S.	gal.	.08 - —
350° flash, 80-85 vis., 0/10 pour, bbls., extra, Ind. ref'y.	gal.	.09½- —
100-110 vis., 0/10 pour, same basis	gal.	.08½- .15
10/25 pour, same basis	gal.	.08½- .09¾
Patchouli, cns.	lb.	No stocks
Peanut,[1,7] bleached, deod., tanks, divd. E.	lb.	.1501- —
crude, tanks, works	lb.	.12¾- .13¾
foots, acid, 95%, tanks, divd. E.	lb.	.08 - —
raw, 50%, tanks, divd. E.	lb.	.04 - —
hydrogenated, tanks, divd. E.,	lb.	.1575- .1975
Pennyroyal, dms., cns.	lb.	No prices
import, cns.	lb.	3.25 - 3.55
Peppermint,[1] natural, dms.	lb.	6.25 - 6.85
redist., USP, dms.	lb.	6.75 -7.50
Perilla, crude, dms.	lb.	No stocks
Petitgrain, Paraguay, cns., dms	lb.	2.35 - 2.50
Pimento, berry, dms.	lb.	6.85 - 8.00
leaf, cns.	lb.	4.00 - 4.25
Pine,[1] ret. dms., c.l., divd. E.,	gal.	.63 - .63½
l.c.l., divd. E.	gal.	.73 - —
tanks works	gal.	.55 - —
Pineneedle, cns.	lb.	3.10 - 3.25
Putty,[8] bbls., E. Segundo, Richmont, Cal.	gal.	.22½- —
contracts	gal.	.19½- —
dms., c.l., Whiting, Ind.	gal.	*.34 - —
Boston, Providence	gal.	.25 - —
l.c.l., same basis	gal.	.27 - —
tanks, same basis	gal.	.18 - —
Martinez, Cal.	gal.	.23 - —

[8] Extra for bbls., but subject to quantity discounts, ranging from 2c. to 6c. per gallon, according to amount purchased.

Rapeseed,[1] bulk, New Orleans	lb.	.1156½- —
Red,[1] ret. bbls., c.l., dms., divd. E. of Rockies	lb.	.13¼- —
W. of Rockies	lb.	.14½- —
Texas and Okla.	lb.	.15¾- —
tanks, divd. E. of Rockies	lb.	.12½- —
W. of Rockies	lb.	.13½- —
Texas and Okla.	lb.	.13 - —
double dist., ret. dms., c.l., divd. E. of Rockies	lb.	.15¾- —
W. of Rockies	lb.	.14¾- —
Texas and Okla.	lb.	.14¾- —
special non-ret. dms., bbls., c.l., divd. E. of Rockies	lb.	.16¾- —
W. of Rockies	lb.	.17¾- —
Texas and Okla.	lb.	.17½- —

Red oil prices for ton lots are ½ cent per pound higher, and 1 cent higher for less than ton lots

Rose, natural, coppers	oz.	31.25 -45.00
Rosemary, Spanish, tech., cns., dms.	lb.	1.25 - 1.35
U.S.P., cns., dms.	lb.	1.45 - 1.50
Rosin, 1st rectified, dms.	gal.	.66 - —
2nd rectified, dms.	gal.	.68 - —
3rd rectified, dms.	gal.	.72 - —
Rue, bots.	lb.	5.00 - 5.25
Sage, Spanish, cns.	lb.	2.60 - 3.00
Sandalwood, NF, Mysore, cns., case lots	lb.	7.00 - 7.25
Sardine, crude,[1,7] tanks, Pac. coast	lb.	.069 - —
refined, alkali, dms., l.c.l.	lb.	.1400- —
kettle-bodied, dms., l.c.l.	lb.	.1500- —
light-pressed, dms., l.c.l.	lb.	.1300- —
tanks	lb.	.1225- —
Sassafras, artif., cns.	lb.	.55 - .60
natural, cns., dms.	lb.	2.00 - 2.30
Savin, cns.	lb.	No stocks
Savory, cns.	lb.	8.00 - —
Seal,[1] No. 1, tanks, U.S. ports	lb.	.069 - —
Sesame,[1,7] tanks	lb.	.1430- —
Shingle stain, bbls., c.l., works	gal.	.2185- —
l.c.l., works	gal.	.23 - .30
tanks, works	gal.	.15 - .18
Snakeroot, Canada, cns.	lb.	No stocks
Soybean,[1,7] clarified, dms.	lb.	.1296- .1385
tanks	lb.	.1250- —
crude, tanks, Decatur	lb.	.1175- —
deod., Winter, tanks	lb.	.1393- —
ret. dms.	lb.	.1500- .1540
foots, acid, 95%, tanks, divd. E.	lb.	.07¼- —
raw, 50%, tanks, divd. E.	lb.	.0634- —
refd., varnish, dms.	lb.	.1380- .1400
tanks	lb.	.1240- .1247
Spearmint, dms.	lb.	4.00 - 4.25
Sperm, bleached, 38°, dms.	lb.	.1443- —
natural, 45°, dms.	lb.	.1310- —
Spruce,[1] cns., dms.	lb.	2.55 - 2.75
Sunflower,[9] imp., refined, tanks,	lb.	.1438- —
semi-refined, tanks	lb.	.1430- —
Sweet birch, North, cns.	lb.	4.00 - 5.00
South, cns.	lb.	2.50 - 3.75
Tall,[1] crude, dms., c.l., wks.	ton.	53.65 -55.00
l.c.l., works	ton.	58.65 - 63.65
tanks, works	ton.	40.00 -45.00
refined, dms., c.l., works	lb.	.05 - .05¼
l.c.l., works	lb.	.05½- —
tanks, works	lb.	.04½- —
Tallow, acidless, bbls.	lb.	.14¼- —
tanks	lb.	.13¾- —
Tansy, cns.	lb.	No stocks
Tar,[1] pine, crude, dms., c.l., divd. E. cities	gal.	.23¾- —
l.c.l., works	gal.	.29¾- —
tanks, divd. E. cities	gal.	.27 - —
rectified, USP, bbls.	gal.	.60½- —
Tar acid (see T).		
Oil, thyme, NF, red, cns.	lb.	2.60 - 3.25
white, cns.	lb.	3.05 - 3.80
Tung,[1,7] dms., c.l.	lb.	.29 - .29½
l.c.l.	lb.	.40 - .41
tanks	lb.	.28½- —
Turkey red (see Oil, castor, sulphonated).		
Turpentine, rectified, USP, cns., dms.	lb.	.27 - .29
Vetiver, Bourbon, cns.	lb.	35.00 -45.00
Whale,[9] ref., natural, dms.	lb.	.1187 Nom.
Winter bleached, dms.	lb.	.1283 Nom.
Wheat germ, dms.	gal.	10.00 -13.50
White mineral, tech., 50-65 vis., dms., incl., c.l.	gal.	.34 - —
l.c.l.	gal.	.37 - .41
65-75 vis., dms., dms. incl., c.l.	gal.	.35 - —
l.c.l.	gal.	.38 - .42
USP, 60/90 vis., dms., dms. incl., c.l.	gal.	.37 - —
l.c.l.	gal.	.40 - .44
125/135 vis., dms., dms. incl., c.l.	gal.	.46 - —
l.c.l.	gal.	.49 - .53
145/155 vis., dms., dms. incl., c.l.	gal.	.48 - —
l.c.l.	gal.	.51 - .55
175/185 vis., dms., dms. incl., c.l.	gal.	.50 - —
l.c.l.	gal.	.53 - .57
200/210 vis., dms., dms. incl., c.l.	gal.	.54 - —
l.c.l.	gal.	.57 - .61
335/345 vis., dms., dms. incl., c.l.	gal.	.62 - ..
l.c.l.	gal.	.65 - .69
55, 70 and 85 vis., non-ret. dms., 65 dms., San Francisco	gal.	.42 - —
smaller lots, same basis,	gal.	.44 - .47
100 vis., non-ret. dms., 65 dms., San Francisco	gal.	.51½- —
Oil, white mineral, USP, 100 vis., dms., smaller lots, same basis	gal.	.53½- .56½
145 vis., non-ret. dms., 65 dms., San Francisco	gal.	.59 - —
smaller lots, same basis,	gal.	.61 - .64
180 vis., non-ret. dms., 65 dms., San Francisco	gal.	.62½- —
smaller lots, same basis,	gal.	.64½- .67½
340 vis., non-ret. dms., 65 dms., San Francisco	gal.	.74 - —
smaller lots, same basis,	gal.	.76 - .79
Wintergreen, natural, North, cns.	lb.	5.50 - 5.50
South, cns.	lb.	4.00 - 4.25
synthetic (see Methyl salicylate).		
Wood (see Oil, tung).		
Wormseed,[1] cns.	lb.	5.00 - 5.15
Wormwood, cns.	lb.	4.85 - 5.50
Ylang-ylang, Bourbon, bots.	lb.	9.00 -24.50
Oleostearin,[1,7] dms., Chicago	lb.	.1061-
Olivine, aggregate, c.l., mines, tan.	ton.	7.00 - 9.50
crushed, 8 mesh, bulk, c.l., works	ton.	8.00 - —
paper bgs., c.l., works	ton.	9.50 - —
lumps, paper bgs., c.l., works,	ton.	7.00 - —
spalls, paper bgs., c.l., works,	ton.	5.00 - —
Opium gum, USP, cns., 50-lb. lots,	lb.	12.00 - —
25-lb. lots	lb.	13.25 - —
smaller lots	lb.	13.50 -13.65

Prices on powd. and gran. USP opium are $1.50 per pound higher.

Orange, cadmium selenide, bbls., 100-lb. lots, works	lb.	1.90 - —
Dinitroaniline, toner[1]	lb.	1.05 - —
Molybdate,[1,9] bbls.	lb.	.41 - —
Orthonitroaniline toner,[1] bbls., kgs., works	lb.	.80 - 1.05
Persian,[1] bbls.	lb.	.30 - .45

★ FLORANOL

A single chemical used in compounding Rose Odors. Blends with or replaces Phenyl Ethyl Alcohol.

Samples on Request.

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The Accepted Basis for Floral Perfumes

(Lily of the Valley, Lilac, etc.)

A single chemical having properties most desired by perfumers.

Great Strength

(5 times stronger than Hydroxy Citronellal with which it blends well.) Result: Economy.

PERSISTENT IN ODOR — FREEDOM FROM DISCOLORATION
FREEDOM FROM IRRITATION — CYCLAMAL IS OF 100% PURITY

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★ AMERICAN DISTILLED OILS

bring you the

Fragrance of the Pine Forest

PURE OILS DISTILLED ESPECIALLY FOR US

Exceptionally Fine Quality

Oil of Spruce — **Oil of Balsam Fir American**
Oil of Cedar Leaf American Pure — **Oil of Pine Needles American**

They come to you as they come from the still in the state of absolute purity. Samples will convince you of the added value to be had from these Pure Quality Oils.

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ALDEHYDE C-8 **ALDEHYDE C-10** **ALDEHYDE 12-M**
ALDEHYDE C-16 **ALDEHYDE C-18**

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9 S. CLINTON STREET, CHICAGO 6 — 1019 ELLIOTT STREET, W. WINDSOR, ONT.

Orange mineral, Amer., bbls., 8 tons, divd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .13¼- —
divd. Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Colo., Mont., N. M., Wyo..lb. .12½- —
other points.....lb. .12 - —
smaller lots, Ala., etc..lb. .12½- —
Ariz., etc.....lb. .13½- —
Colo., Mont., N. M., Wyo..lb. .13 - —
other points.....lb. .12½- —
Orange peel, bitter, Haitian, bgs., lb. .13½- .14
sweet, bls.....lb. .14 - .14½
Oregano, Mexican, curly leaf, bgs..lb. .06½- .09
flat leaf, bgs.....lb. .06½- .09½
Orris root, African, bls.....lb. .85 - —
powd., bbls., bxs.....lb. .90 - .95
Portuguese, bls.....lb. .65 - .70
Verona, bls.....lb. No stocks
Orthoamylphenol, dms., works..lb. .35 - —
Orthoanisidin, bbls.....lb. .70 - —
Orthochloraniline, dms.....lb. .60 - —
Orthochlorophenol, dms.....lb. .35 - .37
Orthocresol,[2,6] 30.4° C. min., M.P., dms., c.l., works..lb. .17½- .18
l.c.l., works.....lb. .18 - .18½
29.6° C. min., M.P., dms., c.l., works..lb. .16½- .17
l.c.l., works.....lb. .17 - .17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies, lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tanks, same basis.....lb. .06½- —
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.

Orthonitroaniln, dms.....lb. .43 - .55
Orthonitrobiphenyl, tech., grade A., dms., c.l., works..lb. .10 - —
l.c.l., works.....lb. .11 - —
grade B, dms., c.l., works..lb. .06 - —
l.c.l., works.....lb. .07 - —
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol, cns., lb. .75 - —
Orthonitrotoluene, dms.....lb. .09 - —
Orthophenetidin, dms.....lb. .82 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange crystals, bbls.....lb. .23 - —
Extract, No. 1, bbls.....lb. .11 - —
No. 2, bbls.....lb. .10 - —
Ouabaine, USP, bots.....gram. 3.00 - 4.00
Oxyquinolin sulphate, cns., 100 lbs., works..lb. 3.50 - —
smaller lots, works.....lb. 3.75 - 4.15

P

Papain, powd., cs.....lb. 3.75 - 4.35
Papaverine, natural or synthetic, hydrochloride, NF, cns., 100-oz. lots..oz. 7.00 - —
smaller lots.....oz. 7.05 - 7.35
Sulphate, cns.....oz. 7.10 - 7.35
Paprika,[1] Calif., sweet Caliente, ground, bgs..lb. .40 - .41
Chilean, bgs.....lb. .30½- .31
Portuguese, bgs.....lb. .36 - .42
Spanish, bgs.....lb. .45 - .46½
Para-anisidin, dms., works..lb. .75 - —
Parachlorophenol, dms., wks..lb. .26½- .28
Parachlorophenol, dms., c.l., wks. lb. .24 - —
l.c.l., same basis.....lb. .25 - .27
Paracymene, dms., c.l., works..lb. .1566- —
l.c.l., same basis.....lb. .1645- —
tanks, same basis.....lb. .1545- —
Paradichlorobenzene,[2] dms., c.l., works..lb. .11 - .12
l.c.l., same basis.....lb. .12½- .15

Paraffin,[1] crude scale, white or yellow, 124-126 ASTM, bbls., c.l., refinery..lb. .04½- —
fully ref'd, slabs, loose, 117-119 ASTM, c.l., refinery..lb. .05 - —
120-122 ASTM, refinery..lb. .0520- —
123-124 ASTM, refinery..lb. .0520- —
125-127 ASTM, refinery..lb. .0560- —
127-129 ASTM, refinery..lb. .0585- —
128-130 ASTM, refinery..lb. .0585- —
130-132 ASTM, refinery..lb. .0615- —
133-134 ASTM, refinery..lb. .0640- —
135-137 ASTM, refinery..lb. .0715- —
140-142 ASTM, refinery..lb. .0610- —
146-148 ASTM, refinery..lb. .1050- —
Prices in bags 4/10c. per lb. higher
Paraformaldehyde, dms., 1,000 lbs. or more, works..lb. .21 - —
smaller lots, works.....lb. .22 - —
Paraldehyde, tech., 98%, 55 and 110-gal. dms., l.c.l., wks..lb. .12 - —
10-gal. dms., works.....lb. .15 - —
USP, cbys., cns.....lb. .35 - .45
Paranitroaniln, kgs., works...lb. .43 - .45
Paranitrochlorobenzene, kgs., wks. lb. .15 - —
Paranitrophenol, kgs.....lb. .35 - —
Paranitrotoluene, kgs., works..lb. .30 - —
Paraphenylenediamine, tech., kgs. lb. 2.00 - —
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls., works.....lb. .48 - —
Paris green,[1] dealer, distributor, dms., kgs., c.l., works, frt. alld..lb. .20 - .27
l.c.l., same basis.....lb. .22 - .26
Passion flower herb, bls.....lb. .23 - .24
Patchouli leaves, bls.....lb. .34 - .35
Pectin, bbls.....lb. 1.25 - —
Penicillin,[4] ampules, per 100,000 unit. .55 - .95
Pennyroyal leaves, bls.....lb. .16 - .18
Pentachlorophenol, dms., works. lb. .20 - .26

Pentaerythritol, CP, bbls., divd. lb. .75 - —
smaller containers.....lb. 1.00 - —
tech., bbls., c.l.....lb. .57 - —
l.c.l.....lb. .81 - —
Pentane, 28°-38° C, industrial grade, dms., c.l., Group 3..gal. .11 - —
l.c.l., dms., Group 3..gal. .19 - —
industrial grade, tanks, Group 3..gal. .07¼- .07½
laboratory grade, 10-gal. cns., divd. E..gal. .55 - —
dms., c.l., Group 3.....gal. .16 - —
l.c.l., Group 3.....gal. .29 - —
Pepper, black,[5,7] 15 tons, bgs..lb. .10 - —
50 to 100 bgs.....lb. .1050- —
4 to 24 bgs.....lb. .1100- —
Red, capsicum, Carolina, longs, new crop, bgs., ship't point. lb. .32 - .32½
sports, old crop, bgs...lb. .46 Nom.
Louisiana, sports, bgs.....lb. No stocks
longs, new crop, bgs., ship't point..lb. No stocks
Chillies, bgs.....lb. .22½- .46
White,[5,7] bgs., 15 tons.....lb. .1161 Nom.
24 bgs.....lb. .1295 Nom.
Peppermint, dom., USP, bls.....lb. .70 - .75
imported, bls.....lb. .90 Nom.
Perchlorethylene, dms., c.l., works, frt. alld..lb. .0732- .0800
Zone 1, works, frt. alld..lb. .0732- .0800
Zone 2, same basis.....lb. .0832- .0950
Zone 3, same basis.....lb. .0932- .0900
Zone 4, same basis.....lb. .0976- .0900
l.c.l., Zone 1, same basis.lb. .0832- .0850
Zone 2, same basis.....lb. .0832- .0900
Zone 3, same basis.....lb. .0932- .0950
Zone 4, same basis.....lb. .0926- .0950
Perchlorethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.
Peru balsam, dms.....lb. 1.10 - 1.25
Petrolatum, tech., dark, bbls., Group 3,c.l..lb. .031 - —
golden topaz, bbls., c.l.....lb. .032 - —
l.c.l.....lb. .036 - —
red, veterinarian, bbls., c.l..lb. .024 - —
l.c.l.....lb. .028 - —
USP, amber, non-ret. dms., c.l. lb. .03½- —
l.c.l.....lb. .04½- —
extra amber, dms., c.l....lb. .03½- —
l.c.l.....lb. .04½- —
cream, c.l., dms.....lb. .05 - —
l.c.l.....lb. .06½- —
yellow, soft, dms., c.l.....lb. .03½- —
l.c.l.....lb. .04½- —
white, lily, dms., c.l.....lb. .05½- —
l.c.l.....lb. .07½- —
snow, dms. c.l.....lb. .06½- —
l.c.l.....lb. .08 - —
soft, dms., c.l.....lb. .05½- —
l.c.l.....lb. .06½- —
Petroleum, crude, bulk, at wells, California, heavy grades, bbl. .93 - 1.01
Illinois.....bbl. 1.37 - —
Kentucky, Union County, bbl. 1.32 - 1.37
Louisiana-Arkansas...bbl. .93 - 1.25
Oklahoma-Kansas....bbl. .93 - 1.25
Pennsylvania.....bbl. 1.51 - 3.00
Texas, Gulf coast....bbl. 1.06 - 1.96
North, North-Central..bbl. 1.01 - 1.25
Panhandle.....bbl. 1.10 - 1.22
West.....bbl. .70 - 1.72
Wyoming.....bbl. 1.12 - —
Ether, laboratory grade, 30°-60° C, 10-gal. cns., divd., E..gal. .55 - —
30°-60°C., dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .29 - —
35°-60° C, 10-gal., cns., divd., E..gal. .55 - —
dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .29 - —
40°-75° C, 10-gal., cns., divd., E..gal. .55 - —
dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .29 - —
Fuel oil, furnace, tanks, at refinery, Arkansas, No. 1. gal. .04 - —
Nos. 2 and 3.....gal. .03½- —
Bayonne, No. 2, tanks, gal. .052 - —
California, heavy....bbl. 1.10 - —
light.....bbl. 1.20 - —
diesel.....gal. .04 - —
stove dist.....gal. .05 - —
Group 3, No. 3.....gal. .03½- —
No. 5.....bbl. .85 - —
No. 6.....bbl. .80 - .85
Kansas, No. 3.....bbl. .85 - .90
Oklahoma, No. 2.....gal. .02¾- —
No. 6.....bbl. .90 - —
No. 14-16.....bbl. .97 - —
Pennsylvania, No. 1..gal. .07 - .07¾
No. 2.....gal. .07 - .0800
No. 3.....gal. .06¾- .07¾
30-40 gravity.....gal. .07 - 07¾
bunker C (Nos. 5 and 6), tanks, Albany, N. Y..bbl. 1.71 - —
Baltimore, Md.....bbl. 1.51 - —
Boston, Mass.....bbl. 1.556 - —
Charleston, S. C.....bbl. 1.42 - —
Fall River, Mass.....bbl. 1.525 - —
Jacksonville, Fla.....bbl. 1.42 - —
New Haven, Conn.....bbl. 1.525 - —
New York, N. Y.....bbl. 1.51 - —
Norfolk, Va.....bbl. 1.47 - —
Philadelphia, Pa.....bbl. 1.51 - —
Portland, Me.....bbl. 1.555 - —
Portsmouth, N. H.....bbl. 1.556 - —
Providence, R. I.....bbl. 1.525 - —
Savannah, Ga.....bbl. 1.42 - —
Tiverton, R. I.....bbl. 1.525 - —
Wilmington, N. C.....bbl. 1.42 - —
Lacquer diluent, California, 100 l.b.n., 200 e.p., tanks, divd. Los Angeles..gal. .11 - —
Fort Wells, Wash.....gal. .12 - —
San Francisco.....gal. .11½- —
Willbridge, Ore.....gal. .12 - —
East coast, N. J., N. Y., tanks, refinery..gal. .11½- —
Group 3, bensol type, tanks, gal. .07½- —
toluol type, tanks.....gal. .07¾- —
Mineral spirits, California, San Francisco, 163-252 b.r., tanks..gal. .10¼- —
198-200 b.r., tanks...gal. .10¼- —
312-408 b.r., tanks...gal. .09 - —
246-397 b.r., tanks...gal. .10½- —
362-456 b.r., tanks...gal. .09 - —
East coast, N. J., N. Y., tanks, refinery..gal. .10 - —
Group 3, tanks, refinery.gal. .08¼- —
tankwagon, Baltimore....gal. .125 - —
Boston.....gal. 13 - —
Bridgeport, Conn.....gal. .1480- —
Buffalo.....gal. .1240- —
Camden, N. J.....gal. .11 - —
Chicago.....gal. .1150- —

ISOPROPYL ALCOHOL

(ISOPROPANOL)

$CH_3-\overset{OH}{\overset{|}{C}}H-CH_3$

Molecular Weight 60.09

Many industries preparing to market new products are finding the answer to their surface coating problems in the economical low-boiling alcohol—Isopropyl. Since Isopropyl has a slower evaporation rate than similar alcohols in the same boiling range, less high-boiling alcohol is required to produce satisfactory blush resistance and flow-out.

Durable, high-gloss nitrocellulose lacquer finishes can be formulated with IPA for today's "automobiles of tomorrow."

IPA, a high latent solvent, should aid in the production of rapid-drying high solids lacquers and hot lacquers.

IPA is useful in formulating finishes with polyvinyl butyral, ethyl cellulose, phenolic laminating varnishes, and other resinous materials.

Can Isopropyl Alcohol solve your surface coating problems? Compartment or straight tank car shipments of IPA are immediately available

SPECIFICATIONS

Purity . . .	Minimum 99% isopropyl alcohol by weight
Specific Gravity 20°/20° C.	0.785 to 0.787
Color	Maximum 10 platinum cobalt (Hazen) standard
Water	Miscible without turbidity with 19 volumes of 60° Bé. gasoline at 20° C.
Acidity (other than carbon dioxide) .	Maximum 0.002% calculated as acetic acid
Distillation Range . . . . (A.S.T.M. D268/33) . .	Below 81° C. None Above 83° C. None
Non-volatile matter .	Maximum 2 mg. per 100 ml.
Water Solubility . . .	Completely miscible with distilled water
Weight	6.55 lbs. per gallon at 20° C. (approx.)

PHYSICAL PROPERTIES

Several of the physical properties of isopropyl alcohol are given in the following table:

Specific Gravity at 20°/4° C.	0.7848
Boiling Point at 760 mm.	82.3° C.
Melting Point	–89.5° C.
Flash Point, Tag Open Cup	69° F.
Tag Closed Cup	56° F.
Vapor Pressure at 0° C.	7.6 mm. Hg.
10° C.	15.9 " "
20° C.	31.5 " "
30° C.	58.8 " "
Specific Heat	0.595 (20° C.)
Refractive Index, N_D^{20}	1.37757
Coefficient of Expansion . . .	0.000630 per °F.
Latent Heat of Vaporization . .	159.2 gm. cal. per gm.
Heat of Combustion . . .	7950 gm. cal. per gm.

Azeotropic Data: Isopropyl alcohol forms a constant boiling mixture with water at 80.2° C., containing 87.7% by weight of compound.

For further properties and uses communicate with the address below

SHELL CHEMICAL Division of SHELL UNION OIL CORPORATION
100 BUSH ST., SAN FRANCISCO 6, CALIFORNIA

Petroleum, mineral spirits, tank-wagon, Detroit	gal.	.1380- —
Hartford	gal.	.1430- —
Kansas City, Mo.	gal.	.1280- —
Lancaster, Pa.	gal.	.13 - —
Milwaukee	gal.	.1240- —
Minneapolis	gal.	.1230- —
Newark	gal.	.11 - —
New York	gal.	.11 - —
Philadelphia	gal.	.11 - —
Pittsburgh	gal.	.125 - —
Providence	gal.	.16 - —
Rochester	gal.	.1230- —
St. Louis	gal.	.1270- —
Syracuse	gal.	.14 - —
Washington, D. C.	gal.	.125 - —
Wilmington, Del.	gal.	.11 - —
Naphtha, cleaners, California, tanks, San Francisco	gal.	.12 - —
East coast, N. J., N. Y., tanks, refinery	gal.	.11 - —
Group 3, tanks, refinery,	gal.	.07½- —
tankwagon, Newark	gal.	.12 - —
Bridgeport	gal.	.1730- —
Chicago	gal.	.1260- —
Detroit	gal.	.15 - —
Milwaukee	gal.	.1440- —
Minneapolis	gal.	.1420- —
New York	gal.	.12 - —
Philadelphia	gal.	.125 - —
St. Louis	gal.	.1470- —
high-solvency, No. 1, over 75% arom., tanks, Bayway, N. J.	gal.	.21½- —
No. 2, tanks, over 90% arom., same basis	gal.	.21½- —
No. 3, tanks, same basis,	gal.	.22½- —
No. 6, tanks, same basis	gal.	.225 - —
No. 30, tanks, Kingsland, N.J., frt. alld.	gal.	.223 - —
No. 40, tanks, Wilmington, Cal.	gal.	.18½- —
V.M.&P., at refinery, California, 46.5 264 i.p.b., 280 e.p., tanks, El Segundo	gal.	.11 - —
Richmond	gal.	.11½- —
Willbridge, Ore., Pt. Wells, Wash.	gal.	.12 - —
54-77, 190 i.b.p., 310 e.p., Los Angeles	gal.	.10 - —
San Francisco	gal.	.10½- —
Portland, Seattle	gal.	.11 - —
Group 3, tanks	lb.	.07½- —
Gulf Coast (dlvd. New Orleans), tanks	gal.	.06½- —
tankwagon, Boston	gal.	.15 - —
Chicago	gal.	.1260- —
Detroit	gal.	.15 - —
Milwaukee	gal.	.1540- —
Minneapolis	gal.	.1520- —
Newark (200 gals.)	gal.	.125 - —
New York	gal.	.12 - —
Philadelphia	gal.	.125 - —
Pittsburgh	gal.	.12½- —
St. Louis	gal.	.1470- —
Solvent, rubber, at refinery, California, San Francisco,	gal.	.25½- —
East Coast, N. J., N. Y., tanks	gal.	.11 - —
Group 3, tanks	gal.	.07¼- .07½
Stoddard (CS 8-33), at refinery:—		
California (f.o.b. San Francisco), tanks	gal.	.11 - —
East Coast, N. J., N. Y. tanks	gal.	.10 - —
Group 3, tanks	gal.	.06½- —
Pennsylvania, western, tanks	gal.	.07¼- .07½
tankwagon, Baltimore	gal.	.13 - —
Boston	gal.	.12 - —
Chicago	gal.	.13½- —
Detroit	gal.	.1560- —
Milwaukee	gal.	.1440- —
Minneapolis	gal.	.1420- —
Newark	gal.	.11 - —
New York	gal.	.11 - —
Philadelphia	gal.	.11 - —
Pittsburgh	gal.	.12½- —
St. Louis	gal.	.1470- —
Syracuse	gal.	.14 - —
Toluol, tanks, dlvd. E.	gal.	.27 - —
Xylol, tanks, dlvd. E.	gal.	.26 - —
Petroleum sulphonates[5] 60% sulphonic content, ret. dms., c.l., works	lb.	.09¾- —
l.c.l., works	lb.	.09¾- .10¾
tanks, works	lb.	.09¾- —
50% sulphonic content, ret. dms., c.l., works	lb.	.09¾- —
l.c.l., works	lb.	.09¾- .10¾
tanks, works	lb.	.09¾- —
Phenobarbital, cns	lb.	2.60 - 2.70
dms., 100 lbs.	lb.	2.50 - —
Phenol,[3,6] 90-92% (cresol, 8-10%), dms., c.l., works, frt. equald.,	lb.	.10 - —
l.c.l., same basis	lb.	.10¾- —
tanks, same basis	lb.	.09 - —
82-84% (cresol, 16-18%), dms., c.l., same basis	lb.	.09¾- .10¼
l.c.l., same basis	lb.	.10¼- —
tanks, same basis	lb.	.09¾- .09¼
USP, dms., c.l., same basis	lb.	.10½- —
l.c.l., same basis	lb.	.11¼- —
tanks, same basis	lb.	.09½- —
Phenolphthalein, USP, bbls., dms., 2,000 lbs.	lb.	.85 - —
smaller lots	lb.	.87 - .92
Yellow, fib. dms., 2,000 lbs.	lb.	.80 - —
smaller lots	lb.	.82 - .87
Phenothiazin, NF, fib. dms., 2,000 lbs.	lb.	.49 - —
smaller lots	lb.	.54 - —
Phenylacetaldehyde, solut., 50%, bots.	lb.	2.45 - 2.50
100%, bots.	lb.	4.90 - 5.00
Phenylethyl acetate, dms.	lb.	3.30 - 3.35
Phenylethylphenyl acetate, bots.,	lb.	4.75 - 4.80
Phenylhydrazin, base, CP, bots.	lb.	4.55 - —
Hydrochloride, CP, bots., works,	lb.	1.10 - —
commercial, kgs., works	lb.	1.75 - —
Phloroglucinol, CP, fib. dms.	lb.	13.75 -14.75
tech., fib. dms.	lb.	12.00 -12.50
Phosgene, ton lots, works	lb.	.19 - —
Phosphate, defluorinated (see under D).		
Phosphate rock,[1,8] Fla., land pebble, unground, run-of-mine, washed, dried, 68%-66% b.p.l., bulk, car at mine, c.l.	long ton.	2.30 - —
70%-68%, same basis	long ton.	2.60 - —
72%-70% b.p.l., same basis	long ton.	3.20 - —
75%-74% b.p.l., same basis	long ton.	4.20 - —
77%-76% b.p.l., same basis	long ton.	5.20 - —
entirely pebble, 50c. per ton higher than above prices.		
finely ground, 65.5% b.p.l., 30% P_2O_5 minimum	short ton.	3.15 - —
68%, basis 31% P_2O_5 minimum	short ton.	3.35 - —
70%, basis 32% P_2O_5 minimum	short ton.	3.70 - —
Tenn., brown, unground, run-of-mine, 70-68% b.p.l., 5% i. & a., same basis	long ton.	5.20 - —
72%-70% b.p.l., 5½% i. & a., same basis	long ton.	5.50 - —
Phosphate rock, Tenn., brown, refinery, ground, 20% P_2O_5, same basis	long ton.	4.25 - —
30% P_2O_5, same basis	long ton.	5.15 - —
31% P_2O_5, same basis	short ton.	5.25 - —
32% P_2O_5, same basis	short ton	5.50 - —
33% P_2O_5, same basis	short ton.	6.00 - —
Phosphorus, red, amorphous, cs.	lb.	.40 - .44
tins, export	lb.	.55 - —
yellow, cns.	lb.	.22 - .25
dms., c.l.	lb.	.14½- —
Oxychloride,[6] dms., c.l.	lb.	.10½- —
l.c.l., dms.	lb.	.12½- .15
Pentoxide,[6] dms., c.l., wks.	lb.	.11 - .12
l.c.l., works	lb.	.13 - .14
Sesquisulphide,[6] cs.	lb.	.39 - .42
Trichloride,[6] dms., c.l.	lb.	.10½- —
l.c.l.	lb.	.12½- .15
Phthalamide, bbls., works	lb.	.35 - .40
kgs., works	lb.	.45 - .50
Phthalic anhydride, bgs., bbls., c.l., works, frt. alld. E. of Denver	lb.	.13 - —
l.c.l., same basis	lb.	.14 - —
Picbi leaves, bgs.	lb.	.07 - .08
Picoline (see Alphapicoline and Betapicoline).		
Picrotoxin, bots.	oz.	8.00 - —
Pilocarpine hydrochloride, USP, bots., vis.	oz.	2.75 - 5.10
Nitrate, bots., vis.	oz.	3.65 - 5.00
Pimento,[1] Jamaica, bgs.	lb.	.28 - .28½
Pinetar,[4] retort, dms. incl. c.l., works	gal.	.31 - —
l.c.l., works, dms. incl.	gal.	.32 - —
tanks, dlvd. E.	gal.	.27 - —
Pinkroot, bls.	lb.	1.10 - 1.15
Piperazine hexahydrate, bots.	lb.	16.00 - —
Pitch, burgundy (see B).		
Coaltar,[3] 160° m.p., bbls., c.l., works	ton.	19.00 - —
l.c.l., works	ton.	22.00 - —
Cottonseed, dms., works	lb.	.04 - .06
Hardwood, paper bgs., works	lb.	.03½- —
Linseed, dms.	lb.	.05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).		
Pine, dms.	100 lbs.	6.50 - —
stands, 200 lbs.	stand.	6.00 - —
Soybean, dms., works	lb.	.04 - .06
Plaster of paris (see Gypsum).		
Podophyllin, dms.	lb.	8.75 - 9.00
Pokeroot, bls.	lb.	.18 - .19
Polystyrene, plain colors, dms., 30,000 lbs., works, frt. alld.	lb.	.32 - —
20,000 lbs., frt. alld.	lb.	.33 - —
smaller lots, frt. alld.	lb.	.34 - .36
Water-clear, polystyrene, 7c. per lb. less than plain colors.		
Pomegranate, root bark, bgs.	lb.	.75 - .76
Poppy flowers, bls.	lb.	.69 - .70
Seed, Canadian, Danish, bgs., futures	lb.	.89 - .89
Domestic, blue, bgs.	lb.	No stocks
Dutch, futures	lb.	.39 - .40
Indian, white, bgs.	lb.	No stocks
South American, bgs.	lb.	.45 - .46
Potash abietate	lb.	.26 - —
Acetate, USP, bbls., dms.	lb.	.28 - .30
cns.	lb.	.31 - .33
Arsenite,[6] USP, solut., cbys., djns.	lb.	.13 - .15
Bicarbonate, USP, cryst., gran., bbls., dms.	lb.	.10 - .21
Bichromate,[1,6] bgs., c.l., works,	lb.	.10 - —
l.c.l., works	lb.	.10½- .10¾
Potash bichromate in bbls. ¼c. higher.		
Borate, gran., bbls., N.Y. or Chi.	lb.	.1018- —
Bromide, USP, gran., 500-lb. bbls., dms.	lb.	.25 - —
100-lb. kgs.	lb.	.26 - —
Potash carbonate, cal., bbls., c.l., works	lb.	.06½- —
l.c.l., same basis	lb.	.06¾- —
hydrated, 85-85% bbls., c.l., works	lb.	.05½- —
dms., l.c.l., same basis	lb.	.05¾- —
USP, gran., bbls., dms.	lb.	.14 - .20
powd., bbls., dms.	lbs.	.19 - .21
Caustic, low-chloride, 90% basis, flake, dms., c.l., works, 100 lbs.		9.31 - —
l.c.l., works, 100 lbs.		9.66½- —
90% basis, liquid, dms., c.l., works, 100 lbs.		8.56 - —
l.c.l., works, 100 lbs.		8.63½- —
tanks, works, 100 lbs.		8.06 - —
solid, dms., c.l., works, 100 lbs.		8.56 - —
l.c.l., works, 100 lbs.		8.93½- —
regular, flake, 88-92%, dms., c.l., works	lb.	.07 - —
l.c.l., works	lb.	.07¼- .07½
liquid, 45% basis, dms., c.l., works, frt. alld.	lb.	.03½- —
l.c.l., same basis	lb.	.03¾- .05¾
tanks, same basis	lb.	.03¾- —
solid, 88-92%, dms., c.l., works.	lb.	.06¼- —
l.c.l.	lb.	.06¾- .08¾
Chromate,[6] bgs.	lb.	.24 - .26
Chlorate,[1] cryst., kgs., c.l., works	lb.	.11 - .11¾
l.c.l., works	lb.	.119 - .13
powd., dms., kgs., c.l., works,	lb.	.09¾- —
l.c.l., works	lb.	.119 - .13
export, 1 to 10 tons, kgs., ex whse.	lb.	.16 - .18
Chloride, tech., cryst., 90%, bgs., kgs.	lb.	.06 Nom.
Citrate, USP, gran., bbls., dms.,	lb.	.32½- .33½
powd., 3c. per lb. higher.		

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POTASSIUM CHLORATE

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BECAUSE OF ITS UNIFORMLY HIGH QUALITY, IT IS USED IN THE MANUFACTURE OF:

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CAUSTIC POTASH
. . . WAS ISSUED JUST 26 YEARS BEFORE OUR COMPANY WAS FOUNDED

• THE FIRST PATENT. History records its issuance by the United States Government over the signatures of George Washington, President, and Thomas Jefferson, Secretary of State, to Samuel Hopkins of Burlington, Vermont, on July 31, 1790. It covered the process of leaching wood ashes to produce potash for making soap.

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For Soap Makers.
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Used for the absorption of moisture and CO_2 in the air liquefaction industry.

ISCO **CARBONATE OF POTASH**

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Potash cyanide, dms., works..lb. .55 - —
Fluoride, bbls.....lb. .34 - .40
Glycerophosphate, 75% s o l., cns., cbys..lb. 1.65 - 1.67
dms., 1,000-lb. lots.....lb. 1.50 - —
100-lb. lots.....lb. 1.60 - —
Guaiacolsulphonate, NF, dms.lb. 1.65 - 1.85
Hydroxide, USP, sticks, dms.lb. .34 - .36
Hypophosphite, cns.....lb. .72 - .75
Iodate, bots., 5 lbs.....lb. 3.46 - —
cns., 25 lbs.....lb. 3.35 - —
Iodide, bots., cns.....lb. 1.44 - 1.48
dms. .....lb. 1.35 - 1.36
Manure salt,[6] 22% K_2O, Carlsbad, N. M..unit-ton. .20 - —
25% K_2O, same basis..... unit-ton. .21 - —
Metabisulphite, gran., bbls..lb. .19 - .21
powd., bbls.....lb. .25 - —
Muriate, dom.,[6] 60-62-63% K_2O, bulk, ex vessel, ports..... unit-ton. .53½- —
granular, 50-52% K_2O.... unit-ton. .53½- —

Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than ex vessel price, basis Trona, Cal.; 8c. per unit of K_2O less than ex vessel price at Pacific coast ports.

Nitrate (see Saltpeter).
Oxalate, neutral pure, gran., bbls., dms..lb. .37 - .50
tech. fine gran., bbls., dms. lb. .28 - .31
Perchlorate, kgs., works....lb. .09¾- .11
Permanganate, tech., dms., wks. lb. .19¾- .20¼
USP, dms., works.....lb. .20½- .21
Persulphate, dms., c.l., works, lb. .16 - —
l.c.l., same basis.....lb. .20 - —
Prussiate, red, kgs.....lb. .50 - .53
Yellow, bbls.....lb. .16 - .17
Ricinoleate, tech., bbls.....lb. .18 - —
Silicate, glass, bgs., c.l., works. ton.20.00 - —
l.c.l. .....100 lbs.15.25 - —
solution, 29° Be, ret. drums, c.l., works..100 lbs. 4.25 - —
l.c.l., 5 or more, works. 100 lbs. 5.00 - —
1-4, works.....100 lbs. 5.50 - —
32° Be, ret. dms., c.l., wks. 100 lbs. 4.75 - —
32° Be, ret. dms., l.c.l., 5 or more, works..100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works..100 lbs. 5.75 - —
l.c.l., 5 or more, works. 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —
Sulphate, NF, gran.....lb. .14 - .20
powd., bbls.....lb. .15 - .21
tech., dom., bulk,[6] basis 90-95% K_2SO_4, min., 90% ex vessel, Atl. or Gulf ports.. ton.36.25 - —
Sulphocyanide, NF, dms.....lb. .70 - .76
Thiocyanate, bbls.....lb. .62 - .66
kgs.....lb. .70 - .76
Xanthate, dms., c.l.....lb. .12 - —
Potash-gold cyanide, 41% gold, bots., works..oz.14.20 -14.95
Potash-magnesia sulphate, bulk,[6] min., 40% K_2SO_4, 18.50% MgO, ex vessel, ports...ton.26.00 - —
Potash-soda ferricyanide, kgs., works..lb. .40 - .43
Potash-titanium oxalate, bbls., dms..lb. .45 - .50
Prickly ash bark, bls.....lb. .23 - .25
Berries, bgs.....lb. .20 - .21
Prince's pine herb, bls.....lb. .60 - .61
Procaine hydrochloride, cns., 100-lb. lots..lb. 4.00 - —
smaller lots.....lb. 4.25 - 4.75
Propane,[1] industrial grade, tanks, Group 3..gal. .03¾- —
Propyleneglycol,[6] dms., c.l., frt. alld. in E..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .65 - .66
Pumice, grd., fine, bgs., ton lots, lb. .03¾- —
smaller lots.....lb. .03¾- .04
coarse, 0-½, 1, 1½, 2, 3, bgs., ton lots..lb. .03¾- —
smaller lots.....lb. .03¾- .04½
Chi., ton lots.....lb. .04½- —
Pumice in bbls. is ½c. per lb. higher.
Pumpkin seed, bgs.....lb. No stocks
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum,[1] concentrate, dewaxed, 20% for aerosol bombs, bbls., works.....lb. 9.25 - 9.50
Pyrethrum concentrate, liquid (20 to 1), basis 2 grams pyrethrins per 100 cc., bbls., works..gal. 7.15 - —
(30 to 1), basis 3 grams pyrethrins per 100 cc., bbls., works..gal.10.65 - —
Flowers, coarse-grd., 0.9% pyrethrins, bbls., works..lb. .31½- —
fine-grd., 0.9% pyrethrins, bbls., works..lb. .33¾- —
powder, 0.5% pyrethrins, bbls., works..lb. .25 - —
Pyridin, denaturing, ret. dms., works frt. equald..gal. 1.55 - 1.60
refd., 2°, ret. dms., same basis, lb. .45 - .45½
Pyrites, Spanish, c.i.f. Atl. ports, long ton. 8.00 -10.00
Pyrocatechin (see Catechol).
Pyronate, dms., works.....gal. .75 - 1.25
Pyrophyllite, standard, 200 mesh, c.l., bulk, mines..ton.10.00 -11.50
325 mesh, same basis....ton.13.00 -13.90
No. 3, 200 mesh, c.l., mines.ton. 9.50 - —
325 mesh same basis.....ton.11.50 - —
Pyrophyllite in paper bags, $1.50 per ton extra.
Pyroxylin, transparent, c.s., works, lb. .19 - —
black, cs., works.....lb. .17 - —
China, white ivory, cs., works, lb. .17 - —
dense, white, cs., works..lb. .17 - —
gray, cs., works.....lb. .17 - —
mixed, mottled, cs., wks. lb. .14 - —
translucent pastels, cs., wks. lb. .17 - —
transparent, cs., works..lb. .19 - —
colors, cs., works.....lb. .17 - —
shavings, amber, cs., works..lb. .17 - —
mixed colors, cs., works...lb. .14 - —
white, cs., works.....lb. .17 - —

Q

Quassia chips, bls.....lb. .06 - .09
Quebracho extract,[1] solid, 63%, bgs., c.l., ex dock, in bond, based on ocean freight, $12; insurance $1 per ton. Any difference for buyers account..lb. .05¾- .05¾
Quebracho extract, clarified, 64%, bgs., c.l., same basis..lb. .06½- .06¾
dissolved, 25% tan., bbls., works..lb. .04875- .0506
tanks, works.....lb. .04075- —
ground, 70%, bgs., c.l.....lb. .066 - —
l.c.l., bgs.....lb. .0915- —
Queen of the meadow root, bgs. lb. .11 - .12
Quercitron, crystals, bbls.....lb. .26 - —
extract, bbls., No. 1.....lb. .10 - —
No. 2.....lb. .09½- —
No. 3.....lb. .09 - —
solid, bxs.....lb. .18½- —
Quicksilver, flasks (76 lbs. net). flask.106.00-113.00
Quince seed, bgs.....lb. 1.30 - 1.75
Quinidine,[6] NF V, cryst., cns.oz. No stocks
powd., precip., cns.....oz. No stocks
Sulphate, USP, cns.....oz. No stocks
Quinine,[6] NF, cns., 100 ozs...oz. No stocks
Acetate, cns., 100 ozs.....oz. No stocks
Arsenate, cns., 100 ozs.....oz. No stocks
Arsenite, cns., 100 ozs.....oz. No stocks
Bisulphate, USP, cns., 100 ozs. oz. No stocks
Dihydrobromide, bots., 50 ozs.. oz. No stocks
Citrate, cns., 100 ozs.....oz. No stocks
Ethylcarbonate, USP, cns., 100 ozs..oz. No stocks
Ferrocyanide, cns., 100 ozs.. oz. No stocks
Formate, cns., 100 ozs.....oz. No stocks
Glycerophosphate, cns., 100 ozs. oz. No stocks
Hydrochloride, USP, cns., 100 ozs..oz. .80½- —
Hydrochlorosulphate, cns., 100 ozs..oz. No stocks
Hydroiodide, cns., 100 ozs...oz. No stocks
Hypophosphite, cns., 100 ozs.oz. No stocks
Phosphate, NF, cns., 100 ozs.. oz. No stocks
Salicylate, NF, cns., 100 ozs.oz. No stocks
Sulphate, USP, cns., 100 ozs.oz. .80½- —
Sulphocarbolate, cns., 100 ozs.. oz. No stocks
Tannate, USP X, cns., 100 ozs. oz. No stocks
Tartrate, cns., 100 ozs.....oz. No stocks
Valerate, NF IV, 100 ozs...oz. No stocks
Quinine-urea hydrochloride,[6] USP, cns..oz. No stocks
Quinoline, dms., c.l., works...lb. .34½- .36

R

R salt, dry, bbls.....lb. .65 - —
paste, dms.....lb. .62 - —
Raspberries, dried, bls.....lb. 1.65 - 1.70
Red, alizarin lake,[6] bbls., divd. N. of Tenn. and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis...lb. 1.10 - 1.90

Prices ½c. per lb. higher divd. Ala., Fla., Ga., La. (Shreveport, 1½c.); Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1½c.) El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. per lb. higher divd. Pacific Coast prices equaled with Chicago divd. Denver, Pueblo, Salt Lake City, Wichita.

Cadmium lithopone, deep shade, bbls., E. Rockies..lb. 1.00 - —
light shade, bbls., same basis..lb. .95 - —
medium shades, bbls., same basis..lb. .90 - —
Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher.
Selenide, dark, bbls., works, lb. 2.50 - —
light, same basis.....lb. 2.20 - —
Orange (see Orange).
Carmine, No. 40, dms., 100-lb. lots, works..lb. 4.60 - —
smaller lots, same basis..lb. 4.75 - 5.25
Crocus Martis (see Red, purple oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works....lb. 1.85 - —
Firetoner, dom., bbls., works.lb. .85 - —
Indian, dom., pure, bbls., Bethlehem, Easton, E. St. Louis, N. Y..lb. .03¼- —
80-85%, bbls., same basis.lb. .02¾- —
Imp., English, all shades..lb. .12 - —
Oxide, pure, bbls.....lb. .09 - .09¾
reduced, 65% copperas oxide, bbls., l.c.l., Bethlehem, Pa.; Copley, O.; Easton, Pa., and E. St. Louis..lb. .06½- —
80% copperas oxide, bbls., same basis..lb. .065 - .094
Lacquer, maroon, bbls., wks..lb. 1.35 - —
Lake C toner, alizarin, bbls., works..lb. .90 - —
Lithol toner, alizarin, lake, bbls., works..lb. .60 - —
Pink, bbls., works.....lb. .20 - .25
Rose lake, bbls., works...lb. .25 - .30
Lithol-rubin toner, alizarin lake, bbls., works..lb. 1.10 - —
Maroon, alizarin lake 25% kgs., works..lb. .40 - —
Cadmium, bbls., works....lb. 1.10 - —
deep, bbls., same basis..lb. 1.20 - —
Maroon, in smaller pkgs., 5c. per lb higher.
Mercury oxide,[3] tech., bbls., 10,000 lbs., works..lb. 2.60 - —
smaller lots, works.....lb. 2.62 - —
Metallic, bbls., works.....lb. .02 - —
Oxide (see Red, iron oxide).
Para[3] toner, concent., alizarin lake, kgs., works..lb. .70 - —
Persian (see Orange).
Phloxin toner (see Red, eosin toner).
Phosphotungstic, rhodamine, Y, kgs., works..lb. 4.15 - —
Purple lake, kgs.....lb. 1.00 - —
Scarlet ink toner, kgs., works. lb. .55 Nom.
Spanish oxide, grade 1, c.l., bbls..lb. .04½- .07¾
Toluidin toner, alizarin lake, kgs., works..lb. 1.05 - —
MNPT maroon toner, kgs., works..lb. 2.25 - —
Turkey, bbls., works.....lb. .14½- —
Tuscan, bbls., E. St. L.....lb. 11 - —
Venetian, 5%, bbls., wks....lb. .0230- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls.....lb. .35 - .40
Quicksilver, bbls.....lb. 2.50 - 2.65
Red precipitate,[3] NF, powd. fib dms..lb. 2.77 - 2.79
Red saunders wood grd., bbls.lb. .33 - —
Resorcinol, tech., dms., works.lb. .64 - .74
USP, cryst., dms., frt. alld. lb. 1.60 - —
Rhatany root, bgs.....lb. .15 - .16
Rhubarb, whole, cs.....lb. .43 - .45
powd., bbls.....lb. .46 - .48
Riboflavin, bots.....kilo.200.00 - —
Rice bran concentrate, dms., Cedartown, Ga. or Emeryville, Calif., seller's option. lb. .79 - —

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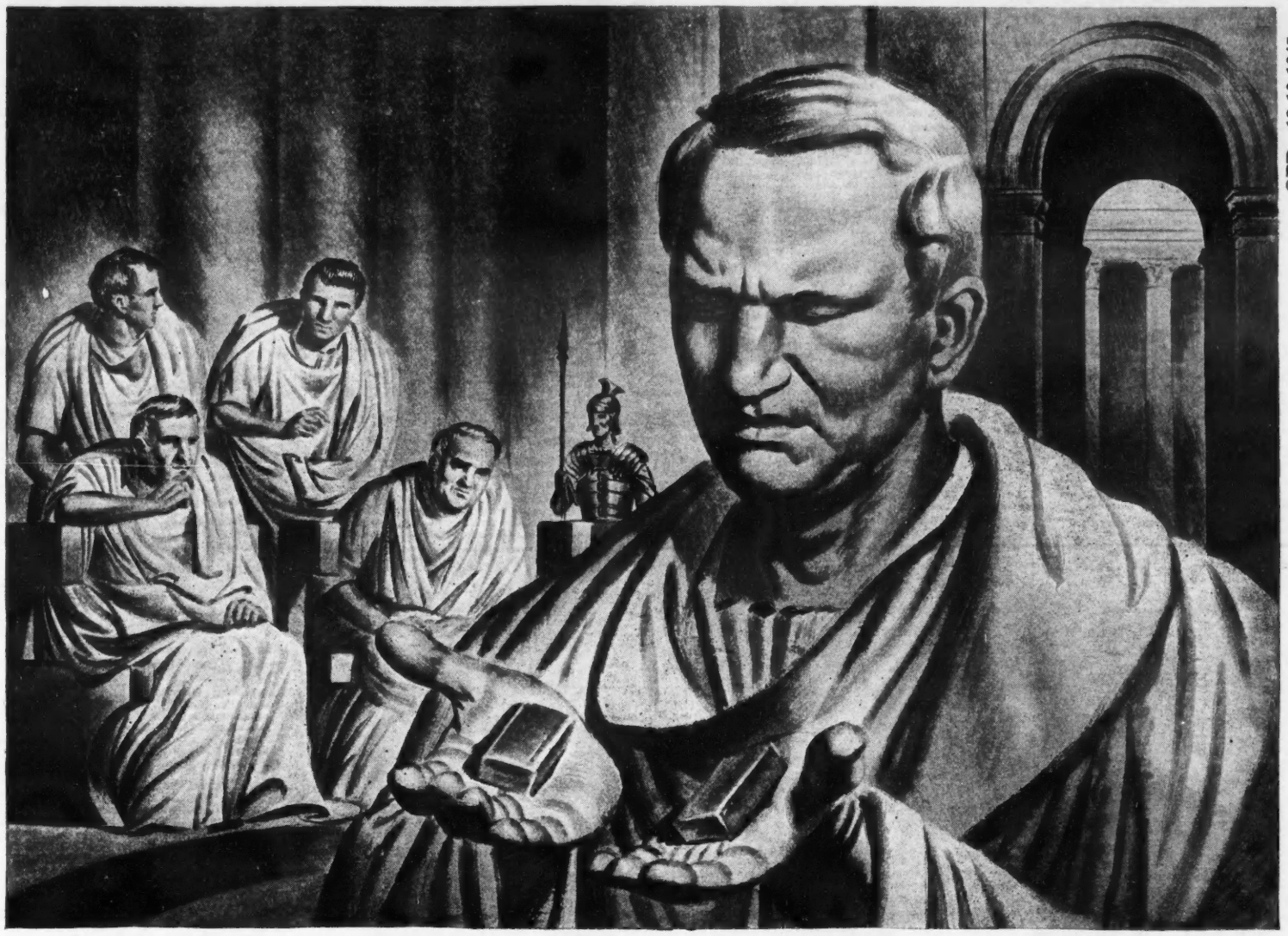

Cicero's dilemma

BECAUSE "orichalcum" was indistinguishable from gold, Cicero raised this question of ethics: If a man thinks he is selling "orichalcum" — but is actually selling gold — is the purchaser morally obligated to point out the error?

The only metal which the Romans could have mistaken for gold was brass, the alloy of copper and the then little understood element — zinc.

Although the Romans knew nothing of the elemental nature of zinc, it is surprising that sixteen centuries later chemists still confused zinc with other metals. Albertus Magnus thought that zinc was a compound of iron; Paracelsus held that it was a form of copper; and as late as 1597, Libavius described it as a peculiar kind of tin!

Modern research has shown that zinc is monatomic. It fuses at 419°C. and, under ordinary atmospheric pressure, boils at 907°C. On cooling, the molten metal deposits hexagonal crystals and freezes into a compact crystalline solid.

Since 1867, MALLINCKRODT has specialized in the development and production of zinc compounds to be used in medicine and industry. For zinc products of dependable uniformity and purity, specify MALLINCKRODT **Zinc Acetate, Bromide, Carbonate, Chloride, Oxide, Stearate, Sulfate, etc.**

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FOR VICTORY BUY UNITED STATES WAR BONDS STAMPS

78 Years of Service to Chemical Users

Mallinckrodt Street, St. Louis 7, Mo. • 72 Gold Street, New York 8, N.Y.

CHICAGO • PHILADELPHIA • LOS ANGELES • MONTREAL

Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .43½- —
smaller lots..lb. .44 - .47
powd., bbls., 5,000 lbs., 1 ship't..lb. .43½- —
smaller lots..lb. .43 - .46
Rose flowers, pale, bls..lb. .55 - .56
Rosemary flowers, bls..lb. 1.55 - 1.65
Leaves, Portuguese, bls..lb. .11 - .11½
Spanish, bls..lb. .13½- .14¼
Rosin, gum,[1,4,7]—
B, dms., c.l.100 lbs. 6.65 - —
D, dms., c.l.100 lbs. 6.75 - —
E, dms., c.l.100 lbs. 7.25 - —
F, dms., c.l.100 lbs. 7.35 - —
G, dms., c.l.100 lbs. 7.42 - —
H, dms., c.l.100 lbs. 7.44 - —
I, dms., c.l.100 lbs. 7.44 - —
K, dms., c.l.100 lbs. 7.45 - —
M, dms., c.l.100 lbs. 7.50 - —
N, dms., c.l.100 lbs. 7.66 - —
W.G., dms., c.l.100 lbs. 7.91 - —
W.W., dms., c.l.100 lbs. 8.16 - —
X, dms., c.l.100 lbs. 8.16 - —
Wood,[1,4,7] B (resin), dms., c.l., works..100 lbs. 3.00 - —
FF, dms., c.l., works.100 lbs. 4.50 - —
G, H, I, dms., c.l., works.. 100 lbs. 4.95 - —
K, dms., c.l., works..100 lbs. 5.00 - —
M, dms., c.l., works..100 lbs. 5.05 - —
N, dms., c.l., works..100 lbs. 5.15 - —
WG, dms., c.l., works.100 lbs. 5.25 - —
WW, X, dms., c.l., works... 100 lbs. 5.40 - —
Rotenone,[1,8] bbls., works.....lb.10.00 -12.50
extract, liq., dms., works.... per unit. 1.05 - —
powder (see Cube root).
Rottenstone, bgs., c.l., mines.. ton.25.50 - —
l.c.l., mines..ton.37.50 - —
Rue, bls..lb. .48 - .56

S

Sabadilla seed, powd., bbls....lb. .40 - .45
Saccharin,[1] soluble and insoluble, 1,000 lbs. and up..lb. 1.30 - 1.35
smaller lots..lb. 1.40 - 1.60
Saffron, Mexican, bls..lb. 1.20 - 1.30
Persian, tins..lb.48.00 - —
Spanish, NF, tins..lb.35.00 -38.00
Safrol, cns..lb. .90 - .92
Sage, Calif., leucophylla, bgs., Pacific coast..lb. .30 - .31
Dalmatian-type, No. 1, bgs., Pacific coast..lb. .95 - .96
No. 2, same basis..lb. .68 - .69
Cyprus, good, bls..lb. No stocks
fair, bls., futures..lb. .18½- .19
Greek, bls..lb. .27 - .29
Palestine, bls..lb. .16 - .16½
Spanish, bls..lb. .17½- .18
Washington, Dalmatian-type, bls..lb. .65 - .66
Sage flour, bgs..lb. .66 - .05¾
Salicin, bots., 5 lbs..lb. No stocks
cns., 25 lbs..lb. No stocks
Saligenin, dms..lb.15.00 -20.00
Salol, gran., bbls., kgs..lb. .90 - —
fib. dms..lb. .92 - .93
Powdered salol, 10c. higher.
Washington, bls., futures, source lb. .70 - .71
Salt rock, bgs, c.l.....ton.14.20 - —
l.c.l., bgs..ton.17.20 -18.00
vacuum, common, fine, bgs., c.l..ton.15.70 - —
l.c.l. ... .ton.19.60 -23.20
Saltcake, dom., bulk, works..ton.15.00 - —
Chrome (see Chrome cake).
Saltpeter, dbl. ref., gran., bbls., 10 ton lots..100 lbs. 8.20 - —
smaller lots.....100 lbs. 8.35 - 8.60
powd., bbls., 10-20 ton lots.. 100 lbs. 9.20 - —
smaller lots.....100 lbs. 9.35 - 9.60
Sanguinarine nitrate, bots....oz. 3.75 - —
Santonin, cryst., powd., cns..kils.170.00-175.00
Saponin, No. 1, cns..lb. 1.75 - 1.90
No. 2, cns..lb. 1.40 - —
Sarsaparilla root, dom., bls..lb. .35 - .37
Honduras, bls..lb. .65 - .67
Mexican, bls..lb. .22 - .23
Sassafras bark, ordinary, bls.. lb. .40 - .45
Sassafras bark, ord., bls.....lb. .40 - .45
select, bls..lb. .60 - .65
Savory, Calif., bls..lb. .75 - .76
Spanish, bls..lb. .30 - .31
Saw palmetto berries, bgs....lb. .20 - .21
Scammony resin, lump, cns...lb. 1.50 - —
powd., cns..lb. 1.35 - —
Root, bgs..lb. .09 - .10
Schaeffer's salt, bgs..lb. .66 - —
Scullcap, Eastern, bls..lb. .90 - .95
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .33½- —
smaller lots..lb. .34½- —
kegs, 5,000 lbs., 1 shipm't..lb. .34½- —
smaller lots..lb. .34½- —
Selenium, pwd., cns., 10 lb. lots.. lb. 1.85 - —
cs., 1,000 lb. lots..lb. 1.75 - 2.00
Senega root, bls..lb. 1.90 - 2.00
Senna, Alex., half-leaf, bls....lb. .19 - .23
siftings, bgs..lb. .18 - .19
Tinnevelly, No. 1, bls.....lb. .17 - .17½
2, bls..lb. .15 - .15½
3, bls..lb. .14 - .15
powd., bbls., bgs..lb. .15 - .17
Pods, bls..lb. .09 - .10
Serpentaria, root, bls..lb. 1.50 - 1.60
Shellac,[1] bleached, bonedry, bbls., 1,000-lb. lots..lb. .42½- —
Boston..lb. .43½- —
Chicago..lb. .44 - —
Pacific coast..lb. .46 - —
refined, bbls., 1,800-lb. lots. lb. .45½- —
Boston..lb. .46½- —
Chicago..lb. .50 - —
Pacific coast..lb. .52 - —

Bonedry shellac sales of less than 1,500 lbs., at following additions to maximum prices: (1) packed in bgs., ¾c. per lb.; (2) bbls., 1c. more; (3) kgs., 3c. more.

Shellac D. C., V.S.O., Diamond I, 100 bgs..lb. .4650- —
Garnet, 100 bgs..lb. .3800- —
Superfine, 100 bgs., Boston, N. Y..lb. .3600- —
Chicago..lb. .3710- —
Pacific coast..lb. .3900- —
TN, 100 bgs., Boston, N.Y....lb. .3550- —
Chicago..lb. .3600- —
Pacific coast..lb. .3805- —

Shellac in cs., 2c. higher. Shellac sales, 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 2c. more; 10 to 90 bgs., cs., 1c. more.

Silica, amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works.. ton.17.00 - —
l.c.l., works..ton.20.00 - —
400 mesh, bgs., c.l., works, ton.18.00 - —
l.c.l., works..ton.19.00 -20.00
wet-grd., 325 mesh, bgs., c.l., works..ton.18.00 - —
l.c.l., same basis....ton.21.00 - —
400 mesh, bgs., c.l., works, ton.30.60 - —
l.c.l., works..ton.35.00 -38.00
99%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., works..ton.21.50 -23.00
99⅞, 325 mesh bgs., c.l., works..ton.20.00 - —
l.c.l., works..ton.22.00 -25.00
hard-quarts, 99½%, 325 mesh, bgs., c.l., works.....ton.15.50 - —
l.c.l., works..ton.16.50 - —
99½%, 140 mesh, bgs., c.l., works..ton.11.00 - —
l.c.l., works..ton.16.00 - —
Silicon tetrachloride, tech., dms., c.l., works..lb. .15½- —
l.c.l., works..lb. .19½- .27
Silver bullion..oz. .7111- —
Cyanide, cns., 100 ozs.....oz. .41½- —
Nitrate, cns., 100 ozs., bots., 2,500-oz. lots..oz. .47 - —
1,000-oz. lots..oz. .47½- —
smaller lots..oz. .47½- .47¾
Neucleinate, USP, bots., dms. oz. .322 - .333
Proteinate, USP, bots., dms., oz. .323 - .328
Simarubra bark, bls..lb. .35 - .39
Skunk cabbage root, bls.....lb. .35 - .39
Slate flour, bgs., c.l., works.ton.11.00 -12.00
l.c.l., works..ton.12.00 -13.00
Sloe berries, bgs..lb. .40 - .41
Smalt, black, ctns..lb. .06 - .08
Blue, ctns..lb. .07 - .09½
Snakeroot, Canada, bls.....lb. .30 - .35
Soapbark, bls..lb. .15 - .16
crushed, bls., bbls..lb. .18 - .19
cut, dom., bls., bbls.....lb. .20 - .21
imp., bbls..lb. No stocks
powd., bbls..lb. .21 - .22
Soda acetate, anhyd., dms., dlvd. lb. .09½- .10
NF, cryst., bbls., kgs.....lb. .14 - .16
tech., 99%, l.c.l., dlvd....lb. .05½- .06
Alginate, refined, water-soluble, bbls., works..lb. .79 - —
semi-refined, bbls., works..lb. .42 - —
white, powd., dms.....lb. 1.50 - 1.60
Aluminate,[6] for water treat., bgs., c.l., works..100 lbs. 7.60 - —
l.c.l., works.....100 lbs. 8.40 - —
other uses, bgs., c.l., works.. 100 lbs. 7.60 - —
l.c.l. .....100 lbs. 7.50 - 8.00
Antimoniate, bbls., dlvd....lb. .16 - .16½
Arsenate,[6] dms., dealers, c.l., works..lb. .09½- —
l.c.l., works .....lb. .10¾- .11¼
Arsenite,[6] gray, dms., dealers, c.l., works..lb. .08½- —
l.c.l., works .....lb. .09 - .10

Soda arsenite, gray, ¾c. higher in Chi.; 2c. higher in Houston, Tex., and Palo Alto, Calif.

l.c.l., dlvd., zone 1.... 100 lbs. 2.13 - —
l.c.l., dlvd., zone 1.... 100 lbs. 2.18 - —
2 .....100 lbs. 2.33 - —
3 .....100 lbs. 2.58 - —
4 .....100 lbs. 2.98 - —
bbls., c.l., works, zone 1.. 100 lbs. 1.95 - —
l.c.l., zone 1.....100 lbs. 1.85 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works...100 lbs. .95 - —
extra, light, 58%, bgs., c.l.. 100 lbs. 2.13 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.13 - —
2.....100 lbs. 2.28 - —
3.....100 lbs. 2.53 - —
4.....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.45 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.45 - —
2.....100 lbs. 2.60 - —
3.....100 lbs. 2.85 - —
4.....100 lbs. 3.25 - —
bulk, c.l..... 100 lbs. .90 - —
light, 50%, bgs., c.l., works, 100 lbs. 1.05 - 1.13
l.c.l., dlvd., zone 1..... 100 lbs. 2.13 - —
2.....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.25 - —
l.c.l., dlvd., zone 1..... 100 lbs. 2.25 - —
2.....100 lbs. 2.50 - —
3.....100 lbs. 2.75 - —
4.....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash sales zones are:—(1) All States E. of Miss. R. and N. of south bound. of Ky. and Va.; also Ala., La., and Miss., S. of 31°, Tex. E. of 100° S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 93° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Texas, and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La., and Miss. No. of 31°; (3) Ark. W. of 93°, Kans., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls (excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Benzoate, tech., bbls., 2 tons or more..lb. .39 - —
smaller lots..lb. .40 - .41
USP, dms., 2 tons or more..lb. .66 - —
smaller lots..lb. .67 - .69
Bicarbonate, tech., bgs., c.l., works..100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 1.90 - —
USP, gran., bgs., c.l., works. 100 lbs. 2.10 - —
l.c.l. .....100 lbs. 2.45 - —
Bichromate,[1,6] bgs., c.l., works. lb. .07¾- —
l.c.l., works.....lb. .08¾- .09¼

Soda bichromate in bbls. ½c. higher.

Bifluoride, bbls., c.l., frt. alld. lb..lb. .11½- —
l.c.l., same basis.....lb. .13 - .14
kgs., same basis.....lb. .13½- .14

Commonplace Essentials loom large among materials on which many modern advances in chemical synthesis depend. Caustic soda, one of the most familiar faces in the chemical family, is typical. For "NaOH" serves in the processing of rayon yarns for fine fabrics, soaps, refined petroleum and vegetable oils, paper making, and in rubber reclamation. Thorough knowledge of such widely used "Commonplace Essentials", is combined with Niagara's recognized preeminent standards of manufacture to provide users with the dependable source of supply they need.

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Niagara Alkali Company

CAUSTIC POTASH • CAUSTIC SODA • PARADICHLOROBENZENE • CARBONATE OF POTASH • LIQUID CHLORINE • NIATHAL

60 EAST 42nd STREET • NEW YORK 17, N. Y.

Soda bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solut., 32°, bbls., c.l., works. 100 lbs. 1.30 - —
l.c.l., works.....100 lbs. 1.55 - —
30°, bbls., c.l., works.100 lbs. 1.35 - —
l.c.l., works.....100 lbs. 1.60 - —
35° bbls. c.l., works.100 lbs. 1.40 - —
l.c.l., works.....100 lbs. 1.65 - —
40°, bbls., c.l., works.100 lbs. 1.55 - —
l.c.l., works.....100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs., works..lb. .25 - —
fiber dms., 100 lbs., works. lb. .26 - —
Cacodylate, bots., dms.....lb. 9.00 -12.00
Carbonate (see Soda ash, Soda monohydrate Soda sal).
Caustic, flake, powd., 76%, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1, dlvd..... 100 lbs. 3.55 - —
2, dlvd.....100 lbs. 3.70 - 5.08
3, dlvd.....100 lbs. 3.95 - 5.20
4, dlvd.....100 lbs. 4.35 - 5.70
liquid, 47-49%, buyer's tanks, works..100 lbs. 1.92½- —
seller's tanks, works..... 100 lbs. 1.95 - —
70%, buyer's tanks, works.. 100 lbs. 1.97½- —
seller's tanks, works..... 100 lbs. 2.00 - —
solid, 76%, dms., c.l., works. 100 lbs. 3.80 - —
l.c.l., Zone 1, dlvd..... 100 lbs. 3.15 - —
2, dlvd.....100 lbs. 3.30 - —
3, dlvd.....100 lbs. 3.55 - —
4, dlvd.....100 lbs. 3.95 - —
Caustic soda zones are same as soda ash. Chloride (see Salt).
Chlorate, cryst., kgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., kgs., c.l., works....lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate,[1,8] bbls., cks., c.l., works, frt. equald..lb. .09¼- —
l.c.l., works, frt. equald..lb. .09½- .09¾
Soda chromate in bgs. is ¼c. lower.
Citrate, USP VIII, bbls.....lb. .18½- —
dms. .....lb. .19¼- .23½
USP XII, gran., bbls.....lb. .24 - —
dms. .....lb. .25 - .29
powd., bbls.....lb. .24½- —
dms. .....lb. .25½- .29½
Cyanide, 96-98%, dms.....lb. .14½- .15
dlvd..lb. .09½- .10¼
anhydrous, dms., dlvd.....lb. .12½- —
Diacetate, 33-35% acidity, bbls., Fluoride, white, 90%, bbls., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
95%, bbls., c.l., works...lb. .07¼- —
l.c.l., works.....lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Formate, bgs., c.l., works...lb. .0655- —
l.c.l., works.....lb. .068 - —
Glutamate, monobasic, kgs..lb. 1.04 - 1.06
Glycerophosphate, NF, crys., bbls..100 lbs. 1.25 - —
dms. .....lb. 1.40 - —
powder, 5c. higher.
solution, 50%, cbys., cns...lb. .82 - .90
Hydrosulphite, dms., c.l., frt. alld..lb. .16½- —
l.c.l., frt. alld.....lb. .19 - —
Hydroxide, USP, sticks, dms.lb. .34 - .36
tech. (see Soda caustic).
Hypophosphite, NF, cns.....lb. .67 - .70
Hyposulphite, crys., bgs., c.l., works, frt. equald..100 lbs. 2.25 - —
l.c.l., same basis...100 lbs. 2.50 - —
pea cryst., bgs., c.l., works.. 100 lbs. 2.60 - —

Soda, hyposulphite, crystals, in bbls., 20c. higher; pea crystals, dms., 50c. higher.

USP, cryst., bbls.....lb. .10 - .12
Iodate, dms., pars.....lb. 5.40 - 5.45
Iodide, bots.....lb. 2.53 - 2.57
dms., jars.....lb. 2.42 - —
Mandelate, dms.....lb. 3.25 - 3.35
Metaborate, gran., bbls., c.l., dlvd..lb. .0495- —
l.c.l., N. Y., or Chi....lb. .051 - —
bgs., c.l., dlvd.....lb. .0435- —
l.c.l., N. Y., or Chi.....lb. .046 - —
Metanilate, bgs.....lb. .40 - —
Metasilicate,[7] anhyd., dms., c.l., works, frt. equald.. 100 lbs. 4.00 - —
l.c.l., same basis...100 lbs. 4.90 - 5.30
gran., bbls., c.l., works, frt. equald..100 lbs. 2.50 - —
l.c.l., dlvd.....100 lbs. 2.80 - 3.05
Methylate, bots., works.....lb. 1.00 - —
cns., works.....lb. .55 - .60
dms., works.....lb. .45 - .60
Molybdate,[6] anhyd., kgs., works, lb. .47 - —
Monohydrate, bgs., c.l..100 lbs. 2.90 - —
works .....100 lbs. 2.45 - —
Naphthionate, bbls. .....lb. .50 - —
Nitrate,[6] crude, dom., 100-lb. bgs., c.l., works..ton.30.05 - —
bulk, c.l., works.....ton.27.00 - —
refd., gran., bbls., 10 tons.. 100 lbs. 3.60 - —
smaller lots.....100 lbs. 3.75 - 4.00
imp., 100-lb. bgs., c.l., Atl., Gulf, Pac. whse..ton.33.00 - —
200-lb. bgs., same basis, ton.32.40 - —
bulk, same basis.....ton.30.00 - —
Nitrite, 96-98%, bbls., c.l., works, frt. equald..lb. .06¾- —
west coast ports..100 lbs. 8.00 - 8.65
l.c.l., dlvd. .....100 lbs. 8.90 -11.90
Orthosilicate, anhyd., dms., c.l., works, frt. equald..... 100 lbs. 4.50 - —
l.c.l., same basis..100 lbs. 5.45 - 5.80
flake, dms., c.l., works.100 lbs. 3.10 - —
l.c.l., dlvd.....100 lbs. 4.30 - 4.55
Oxalate, neut., bgs., works..lb. .10 - —
Pantothenate, dextrorotary, 100-gram bots..per gram. .10 - —
Pentachlorophenate, briquete, bgs., works, frt. equald..lb. .17 - .18
powd., bgs., c.l., works, frt. equald..lb. .16 - .16½
l.c.l., works, frt. equald.lb. .17 - —
kgs., l.c.l., works, frt. equald...lb. .19 - —
Perborate, NF, bbls., c.l., wks. lb. .14¾- —
l.c.l., works .....lb. .15¾- —
Peroxide, dms., c.l., dlvd., M. of Miss..lb. .14 - —
smaller lots .....lb. .17 - —
Phosphate, dibasic, tech., anhyd., bgs., c.l., works.... 100 lbs. 6.00 - 6.25
l.c.l., works....100 lbs. 6.40 - 6.75
cryst., bgs., c.l., works.. 100 lbs. 2.55 - 2.70
l.c.l., works....100 lbs. 2.95 - 3.45
USP XII, dried, bbls., dms., works..lb. .150 - —
monobasic, anhydrous, bgs., c.l., works..100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs. 7.65 - 9.00

Soda phosphate, tribasic, anhydrous, bgs., c.l., works, frt. equald..100 lbs. 6.00 - 6.65
l.c.l., same basis.100 lbs. 6.50 - 7.00
cryst., bgs., c.l., same basis, 100 lbs. 2.70 - —
l.c.l., same basis.100 lbs. 3.10 - —
kgs., c.l., works...100 lbs. 3.40 - —
l.c.l., works.....100 lbs. 3.80 - —
Soda phosphate in bbls. 20c. higher.
USP (see Sodium phosphate, dibasic.
Prussiate, yellow, bgs.....lb. .10½- —
bbls. .....lb. .11 - —
Pyrophosphate,[6] tetra-basic, anhydrous, bgs., c.l., works, frt. equald..100 lbs. 5.25 - —
l.c.l., same basis.100 lbs. 5.40 - 5.75
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs.....100 lbs. 1.35 - —
works .....100 lbs. 1.10 - —
bbls. .....100 lbs. 1.40 - —
works .....100 lbs. 1.20 - —
Salicylate, dms. .....lb. .52 - .54
Sesquicarbonate, bgs., c.l., works..100 lbs. 1.50 - —
bbls., c.l., works.....100 lbs. 1.70 - —
l.c.l., zone 1, dlvd....100 lbs. 2.70 - —
2, dlvd .....100 lbs. 2.85 - —
3, dlvd .....100 lbs. 3.10 - —
4, dlvd .....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. price zones are same as those for soda ash.
Sesquisilicate, dms., c.l., works, 100 lbs. 3.05 - —
l.c.l., dlvd .....100 lbs. 4.05 - 4.30
Silicate, 40°, turbid, spot, dms., c.l., works..100 lbs. .80 - —
l.c.l., works .....100 lbs. 1.05 - 1.20
tanks, works.....ton.12.00 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., works .....100 lbs. 1.65 - 1.80
tanks, works .....ton.25.00 - —
Silicofluoride, bbls., c.l., works. lb. .06¾- .07
l.c.l., works.....lb. .08 - .10

Soda stannate, dms., works, frt. alld, E..lb. .32½- .36½
Stearate, bbls., works.....lb. .19 - .34
Sulphate, NF, dried, powd., bbls..lb. .07 - .07¾
tech., anhyd., bgs., c.l., wks. 100 lbs. 1.70 - —
l.c.l., works.....100 lbs. 1.95 - 2.20
cryst. (see Glauber's salt).
USP, cryst., gran., bbls.....lb. .07 - .10
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., dlvd.....100 lbs. 2.90 - 3.15
solid, bbls., c.l., works.100 lbs. 3.15 - —
l.c.l., dlvd.....100 lbs. 3.65 - 3.90
Sulphite, cryst., bgs., c.l., works..100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.35 - —
bbls., c.l., works...100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.55 - —
powd., bbls., c.l., works.... 100 lbs. 5.25 - —
l.c.l., works.....100 lbs. 5.50 - 6.05
Sulphocarbolate, USP LX, gran., bbls., dms..lb. .28 - .31
powd., bbls.....lb. .30 - .34
Sulphocyanide, CP, dms.....lb. .55 - .60
Sulphohydrate, liquid, 38%, dms., c.l., works, 100% basis. lb. .06 - —
l.c.l., works.....lb. .06 - —
tanks, 100% basis, works. lb. .05¾- —
flake, 70-72%, dms., c.l., works..lb. .04¼- —
l.c.l., works.....lb. .05 - —
Sulphoricinoleate, bbls.....lb. .12 - —
Tetrapyrophosphate,[6] anhyd., bgs., c.l., works, frt. equald..100 lbs. 5.25 - —
l.c.l., same basis..100 lbs. 5.40 - —
Thiosulphate (see Soda hyposulphite).
Tungstate,[6] tech., kgs.....lb. 1.35 - 1.54
Soda-cinchophen, bots., dms...lb. 3.75 - 4.00

Soda-formaldehyde sulphoxalate, stand. cont. 125-250 lbs...lb. .19 - .22
Soda-sulphadiazin, USP, dms..lb.10.50 -10.60
Soda-sulphamerazin, dms.....lb.10.50 -10.60
Soda-sulphapyridine, powd., bots., dms..lb. 5.00 - 5.30
Soda-sulphathiazole, USP, dms.. lb. 2.50 - 2.60
Solvent naphtha,[6] dms., wks.gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .26 - —
Minnequa, Colo.....gal. .26 - —
high-flash,[6] dms., works..gal. .32 - —
tanks, frt. alld. E. of Omaha to 2c. per gal..gal. .27 - —
wire-enamel,[6] rst. dms., c.l., frt. equalized..gal. .27 - —
l.c.l., same basis.....gal. .30 - —
tanks, works.....gal. .22 - —
Soybean meal,[1,7] 41%, bulk, c.l., Decatur..ton.45.00 - —
Protein, alpha, bgs., 40,000 lbs., works..lb. .20 - —
20,000 lbs., works.....lb. .20¼- —
smaller lots works.....lb. .20¼- .34
Sorbitol, com'l, dms., c.l., works, lb. .16¾- —
l.c.l., works.....lb. .17¾- —
Sparteine sulphate, bots., cns...oz. 2.25 - 2.95
Spearmint leaves, bls.....lb. .43 - .49
Spikenard root, bls.....lb. .43 - .49
Spruce extract, liq., reg., bbls., c.l., works..lb. .02½- —
tanks, works .....lb. .01½- —
powd., super, bgs., c.l., wks.lb. .04½- —
Squaw vine, bls.....lb. .53 - .55
Squill, red, fortified, powd., bbls., bxs..lb. 2.25 - —
White, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .16 - .20
St. Ignatius beans, bgs.....lb. No stocks.
St. John's bread, edible, bls...lb. .10¾- .11¼

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Caustic Soda
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Potassium Carbonate
Caustic Potash
Sodium Nitrite
Ammonium Chloride
Para-Dichlorobenzene

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Starch, corn, pearl, bgs.	100 lbs.	4.06	—
Chicago	100 lbs.	3.72	—
powd., bgs.	100 lbs.	4.19	—
Chicago	100 lbs.	3.83	—
Potato, bgs., c.l.	lb.	.0637	—
l.c.l.	lb.	.0712	—
Rice, bgs., c.l.	lb.	No stocks.	
Sweetpotato, bgs.	lb.	No stocks	
Wheat, thick boil, bgs.	lb.	.05	—
Iodide, bots.	lb.	1.87	—
Stearin, oleo (see Oleostearin).			
Stillingia root, bls.	lb.	No stocks.	
Stoneroot, bls.	lb.	.07½	.08
Storax, cs.	lb.	1.15	1.40
Stramonium leaves, bgs.	lb.	.21	.23
Seed, bgs.	lb.	.20	.21
Strontium bromide, cns., dms.	lb.	.53	.55
Carbonate, 90%, bbls.	lb.	.14	.15
98%, bbls.	lb.	.23	.25
Chloride, tech., bbls.	lb.	.22	.24
Chromate, bbls., kgs., Phila.	lb.	.35	.37
Iodide, bots.	lb.	3.06	3.15
jars, 25 lbs.	lb.	3.00	—
Lactate, dms.	lb.	1.30	1.35
Nitrate, bbls., c.l., works.	lb.	.07¾	—
l.c.l., works	lb.	.08½	.09¼
Oxalate, bbls., works.	lb.	.38	.40
Salicylate, NF, dms.	lb.	1.10	1.13
Sulphate, nat., air-float'd, 325 mesh 90%, bbls., works.	ton.	58.00	—
Strontium-calcium sulphide, phosphorescent, dms., works.	lb.	2.50	2.85
Strophanthin, bots.	oz.	30.00	50.00
Strophanthus seed, Kombe, bgs.,	lb.	2.65	2.70
Strychnine, NF, cryst., cns., 100 ozs.	oz.	.70	—
powd., cns., 100 ozs.	oz.	.60	—
Acetate, cns., 100 ozs.	oz.	.86	—
Arsenate, cns., 100 ozs.	oz.	.91	—
Arsenite, cns., 100 ozs.	oz.	.86	—
Glycerophosphate, cns., 100 ozs.,	oz.	.89	—
Strychnine hydrochloride, cns., 100 ozs.	oz.	.88	—
Hypophosphite, cns., 100 ozs.	oz.	1.60	—
Nitrate, NF, cns., 100 ozs.	oz.	.82	—
Phosphate, NF, cns., 100 ozs.,	oz.	.89	—
Sulphate, USP, cryst., cns., 100 ozs.	oz.	.58	—
powd., cns., 100 ozs.	oz.	.48	—
Styrolyl acetate, bots.	lb.	2.50	3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works.	lb.	.45	—
tech., bbls., l.c.l., works.	lb.	.40	—
Sugar coloring (see Caramel coloring).			
Sugar of milk (see Milk sugar).			
Sulphadiazin, USP, dms.	lb.	9.00	9.10
Sulphaguanidin, dms.	lb.	4.50	4.60
Sulphamerazin, dms.	lb.	9.00	9.10
Sulphanilamide, USP, bots.	lb.	1.50	—
fib. dms.	lb.	1.05	1.25
Sulphanilamide, 50-80 mesh, 10c. higher.			
Sulphapyridin, powd., bots., tins,	lb.	5.00	5.30
Sulphathiozole, dms.	lb.	2.50	2.60
Sulphonethylmethane, kgs.	lb.	6.75	6.95
Sulphonmethane, kgs.	lb.	5.25	5.35
Sulphur, crude, c.l., bulk, mines, contract.	long ton.	16.00	—
vessels, Gulf ports, contract.	long ton.	17.50	—
flour, comm'l, 99½%, bgs., c.l., works.	100 lbs.	1.65	—
l.c.l., works	100 lbs.	2.00	2.11
precipitated, USP, bbls., kgs.,	lb.	.18	.80
refined, flour, extra fine, bgs., c.l., works.	100 lbs.	2.90	—
l.c.l., works	100 lbs.	3.25	3.40
heavy, bgs., c.l., works.	100 lbs.	2.60	—
l.c.l., works	100 lbs.	2.95	3.10
Sulphur, ref., flour, light, bgs., c.l., works.	100 lbs.	2.70	—
l.c.l., works	100 lbs.	3.05	3.20
flowers, USP, bgs., c.l., wks.	100 lbs.	3.05	—
l.c.l., works	100 lbs.	3.40	3.55
Refined sulphur nowers in bbls., 30c. higher.			
rock, bbls., c.l., works.	100 lbs.	2.20	—
l.c.l., works	100 lbs.	2.55	2.70
roll, bbls., c.l., works.	100 lbs.	2.40	—
l.c.l., works	100 lbs.	2.75	2.90
rubbermakers', bgs., c.l., wks.	100 lbs.	1.35	—
Chloride, 55-gal. dms., c.l., works.	lb.	.08	.08½
l.c.l., works	lb.	.04	.04½
10-gal. dms., c.l., works.	lb.	.07	.07½
l.c.l.	lb.	.08	.08¾
Dioxide, liqu., com'l, cyls., c.l., works.	lb.	.07	—
l.c.l.	lb.	.08	—
multi-unit cars, works.	lb.	.04½	.04
tanks, works	lb.	.04	—
refrigeration, cyls., l.c.l., works.	lb.	.16	.21
Iodide, bots., jars	lb.	3.90	4.11
Sumac extract, No. 1, bbls.	lb.	.06	—
No. 2, bbls.	lb.	.07	—
stainless, bbls.	lb.	.09	.11
Superphosphate,[1] pulverized, run-of-pile under 22% a.p.a., bulk, production points, Balto.,	unit-ton.	.65	—
Florida	unit-ton.	.51	.54
others	unit-ton.	.57	.84

Delivery points, Ariz., Calif., Colo., Ida., Kans., Nev., N. M., Ore., Utah, Wash., 88½c. per unit-ton plus frt. charge from Anaconda, Mont., in excess of $8.03 per ton; guaranteed 18%, 19% or 20% a.p.a., ½c. per unit-ton higher.

Superphosphate, triple, 46% or more, a.p.a., bulk, producing points, Florida	unit-ton.	.63	—
South Carolina	unit-ton.	.70	—
Tennessee	unit-ton.	.75	—

Other States and D.C., 62c. per unit-ton plus frt. charge for 46% from E. Tampa, Fla.

Superphosphate, gran., 2c. per unit-ton higher than pulverized.

Sweet basil, bls.	lb.	1.20	1.30

T

Talc, dom., ordinary, grd., bgs., c.l., works.	ton.	14.50	24.50
l.c.l., works	ton.	16.50	30.00
Calif., bgs., c.l., wks.	ton.	17.50	43.00
Pennsylvania, bgs., c.l., works.	ton.	11.00	13.50
l.c.l., works	ton.	12.00	14.50
Vermont, bgs., c.l., works,	ton.	14.00	—
l.c.l., works	ton.	15.00	—
fibrous, grd., coarse, off-color, New York, bgs., c.l., works.	ton.	13.00	—
grd., fine, New York, 325 mesh, 93-94%, bgs., c.l., works.	ton.	13.00	18.00
98 - 99.5%, bgs., c.l., works.	ton.	15.25	19.25
99.55 - 99.95%, bgs., c.l., works.	ton.	17.00	21.00
imp. Canada, bgs., c.l.	ton.	24.00	30.00
Tallow,[1,7] edible, tanks.	lb.	.09¾	—
inedible, extra, loose	lb.	.08¾	—
special, loose	lb.	.08½	—
sulphonated, 50% (42% fat), dms., c.l.	lb.	.07	.07½
(70% fat), dms., c.l.	lb.	.10	.10½

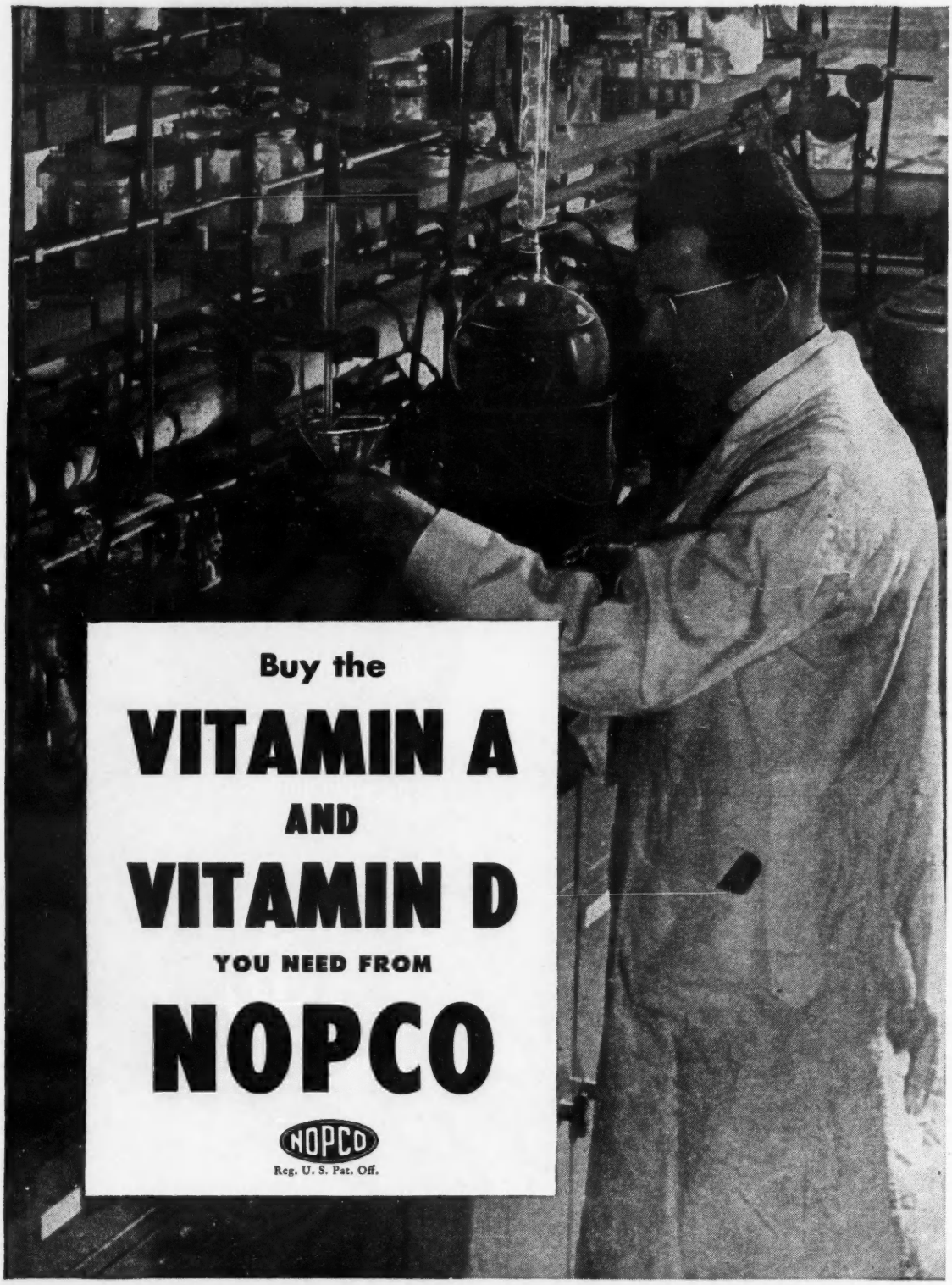
Tallow, sulphonated, l.c.l., ½c. higher.

Tamarind, bbls.	lb.	.13	.14
Tankage,[1,7] animal, feed grd., 9-11% ammon., bulk,	unit-ton.	5.53	—
Chicago	unit-ton.	5.53	—
fert. grd., 9% ammon., 10% b.p.l., bulk	unit-ton.	4.00 &	.10
10-11% ammon., 15% b.p.l., bulk, Chicago	unit-ton.	4.00 &	.10
Tapioca flour,[1] f.o.b. Brazil	lb.	.06½	—
delivery N. Y.	lb.	.07	.07½
Java, bgs.	lb.	No stocks.	
Tar acid oil, 15-18%, dms., c.l., works.	gal.	.26½	.27½
l.c.l., works	lb.	.28½	.29¾
25%, dms., c.l. works.	gal.	.30	—
l.c.l., works	gal.	.52	—
Tar, pine (see Pinetar).			
Tara,[1] powd., c.l. ex dock, U. S. ports.	long ton.	118.00	—
Tarragon herb, bgs.	lb.	.60	.65
Leaves, bgs.	lb.	1.20	1.25
Tartar emetic, tech., gran. or powd., bbls., kgs.	lb.	.47¾	.48
dms.	lb.	.48½	.51
USP, powd., bbls., dms., kgs.	lb.	.52¾	.56
Terpin hydrate, com'l, bbls., c.l.	lb.	.24½	—
l.c.l.	lb.	.25	.25¾
USP, cryst., bbls., dms.	lb.	.70	.75
powd., bbls., dms.	lb.	.75	.80
Terpineol, alpha (see A).			
com'l, dms., c.l., South	lb.	.13½	—
l.c.l., South	lb.	.14	—
tanks, South	lb.	.13	—
pure, dms.	lb.	.34	.50
Terpinglycol ether, dms. (extra), c.l., works.	lb.	.19½	—
l.c.l., works	lb.	.20	—
tanks, works	lb.	.19	—
Terpinyl acetate, extra, cns., dms.	lb.	.90	1.15
prime, cns., dms.	lb.	.75	1.05
Terra alba (see Gypsum).			
Tetrachloroethane, dms., works,	lb.	.08	.08½
Tetrachloroethylene, NF VI, 55-gal. dms., works.	lb.	.20	.21½
smaller dms., works	lb.	.23½	.25½
tech. (see Perchloroethylene).			
Tetrallin, dms.	lb.	.19	—
Tetrasodium pyrophosphate (see Soda pyrophosphate).			
Thallium sulphate, 90%, bots., works.	lb.	12.50	Nom.
Theobromine,[1] dms., 25-lb. lots.	lb.	2.80	—
smaller lots	lb.	2.90	3.00
Thiamine hydrochloride, dms., 100 grams or more	kilo.	160.00	—
Thiocarbanilide, dms.	lb.	.24	—
Thiourea, CP, dms.	lb.	.55	.56
Thorium nitrate, cs., works.	lb.	2.00	—
Thyme, California, French type, bls., Pacific Coast.	lb.	.90	.92
Spanish, bls.	lb.	.15½	.16
Thymol, cns.	lb.	2.40	2.75
Iodide, dms.	lb.	3.40	3.50
Timbo root,[3,6] (see Cube root).			
Tin chloride,[6] anhydrous	lb.	No stocks	
crystals,[6] bgs., bbls.	lb.	No stocks	
Metal,[1,6]	lb.	.52	—
Bolivian	lb.	.63½	—
Straits	lb.	No stocks	
Oxide,[6] bbls.	lb.	.54	.55
Tetrachloride,[6] anhyd., dms., works.	lb.	.31	.33
Titanium dioxide,[1,4] chalk resistant, bgs., c.l., dlvd.	lb.	.15	—
l.c.l., dlvd.	lb.	.15¼	.15¾
nonchalking,[1,8] bgs., c.l., dlvd. E.	lb.	.16½	—
l.c.l., dlvd.	lb.	.16¾	.17¼
plain,[8] bgs., c.l., dlvd.	lb.	.14½	—
l.c.l., dlvd.	lb.	.14¾	.15¼
Hydride, cns., works.	lb.	7.00	8.00
Pigment, barium, base,[1,4] bgs., c.l., dlvd.	lb.	.05¾	—
l.c.l., dlvd.	lb.	.06	—
Calcium, base,[1,4] bgs., c.l., dlvd.	lb.	.05½	—
l.c.l., dlvd.	lb.	.05¾	—
Calcium-rutile base,[1,4] bgs., c.l., dlvd.	lb.	.05½	—
l.c.l., dlvd.	lb.	.05¾	—
Magnesium base,[1,4] bgs., c.l., dlvd.	lb.	.05¾	—
l.c.l., dlvd.	lb.	.06	—

Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast ¼c. higher, c.l., dlvd., l.c.l., ex whse.

Tetrachloride, CP, 55-gal. dms., works.	lb.	.57	—
smaller pkgs., works.	lb.	.65	1.22
technical, 55-gal. dms., works.	lb.	.32	—
smaller pkgs., works.	lb.	.40	1.00
Tolu balsam, cns.	lb.	1.75	1.90
Toluidin base, distilled, kgs.	lb.	.96	—
Toluene (see Toluol).			
Toluol (toluene) coaltar, 2° indust., dms., return, wks.	gal.	.32	—
tanks, E. of Omaha, frt. alld.	gal.	.27	—
West Minnequa, Colo.	gal.	.27	—
1° nitration, ret. dms., works,	gal.	.32	—
tanks, E. of Omaha, frt. alld.	gal.	.27	—
West Minnequa, Colo.	gal.	.27	—

Petroleum toluol prices, same as those for coaltar toluol.



NATIONAL OIL PRODUCTS COMPANY

Boston • Cedartown, Ga. • HARRISON, N. J. • Chicago • Richmond, Calif.

Pioneer producers of natural Vitamin A and Vitamin D Concentrates, Rice Bran Concentrate and Calcium Pantothenate

Tonga, 50% bark and vine, bbls., lb. .90 - .91
Tonka beans, Angostura, cks..lb. 1.50 - 1.60
Brazilian, Surinam, cs.....lb. .80 - .85
Totaquine,[1,6] USP XII, 100 ozs., lots, oz. .52 - —
Triacetin, dms., works.....lb. .28 - .32
Triamylamine, dms., c.l., works, lb. .98 - —
l.c.l. .....lb. 1.01 - —
Tributyl citrate, dms.....lb. .29 - .31
smaller pkgs.....lb. .34 - .40
Phosphate, cns., l.c.l., dlvd..lb. .53 - .55
dms., l.c.l., dlvd.....lb. .49 - —
Tributylamine, dms., c.l., works, lb. .78 - —
l.c.l., works.....lb. .81 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .08 - —
l.c.l., frt., alld.....lb. .08½- —
tanks, frt. alld.....lb. .07½- —
Trichloroethane, dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17 - —
Trichloroethylene, dms., c.l., Zone 1, works, frt. alld..lb. .08 - —
Zone 2, frt. alld.....lb. .08½- —
Zone 3, frt. alld.....lb. .09 - —
Zone 4, ex whse.....lb. .09 - —

Trichloroethylene, l.c.l., prices, ½c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis, Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont. (E), N. M., Tex., Wyo; (4) Ariz., Cal., Idaho, Mont. (W), Nev., Ore., Utah, Wash.

Tricresyl phosphate,[6] tech., cns. works..lb. .28 - .39½
dms, c.l., dlvd.....lb. .25 - —
l.c.l., dlvd. .....lb. .25½- —
tanks, dlvd.....lb. .24 - —
Triethanolamine,[6] dms., c.l., frt. alld. in E..lb. .19½- —
l.c.l., same basis.....lb. .20½- —
tanks, same basis.....lb. .18½- —
Triethyl phosphate, cns.....lb. .40 - —
Triethylamine, dms., basis 100%, c.l., works..lb. .34 - —
l.c.l., works.....lb. .36 - —
tanks, works.....lb. .30 - —
Triethyleneglycol, dms., c.l., frt. alld. in E..lb. .18½- —
l.c.l., same basis.....lb. .19½- —
tanks, same basis.....lb. .17½- —
Trimethylamine, dms., c.l., dlvd. lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Trimethylolpropane, bbls.....lb. .65 - —
Triphenyl phosphate,[2] bbls., c.l., frt. alld..lb. .26 - —
l.c.l., same basis.....lb. .27 - .27½
Tripoli, air-floated, bgs., c.l., works..ton.21.50 - —
double grd., bgs., c.l., works. ton.17.50 - —
once-grd., bgs., c.l., works.ton.16.00 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tuba root (see Cube root).
Tungsten metal, powd.,[3] 99-99.7% dms., works..lb. 2.60 - 5.40
Oxide, kgs. .....lb. No prices.
Turmeric root, Alleppey, bls...lb. .10½- .11
Haitian, bls., Miami or New Orleans..lb. .10 Nom.
Madras, bgs. .....lb. .12 Nom.
Turpentine, gum, ret. dms...gal. .92½- .93½
Wood,[1] d.d., dms., East....gal. .65 - .70
tanks, East.....gal. .60 - —
steam-dist., ret. dms., East, gal. .80 - .83
tanks, East .....gal. .74 - .75
Sulphate, ret. dms.....gal. .65 - .76

U

Unicorn root, false (see Helonias root)
True (see Aletris root).
Uranium,[6] oxide, black, bgs...lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46% N., bgs., c.l., works or ship. pts..ton.68.00 - —
l.c.l. ship. pts.....ton.70.50 -85.00
import, pure, cs.....lb. .12 - —
Fertilizer comp., 42% N., bulk, c.l., works, or Atlantic or Gulf ports..ton.57.40 - —
Urea-ammonia liquor (A and B). free ammonia content, Belle, W. Va., freight equalized with Hopewell, Va..ton.59.00 - —
fixed ammonia content, Belle, W. Va., freight equalized with Hopeville, Va., NH_3, ton.112.80- —
fixed ammonia content, usual Atlantic and Gulf ports, NH_3..ton.116.80 - —

C and D prices for Urea-ammonia liquor are $1.20 per ton of nitrogen higher than the A and B respectively for the same destinations

Urunday, c.l., ex dock, in bond, lb. .05 - —
Urunday price based on ocean frt., at $12, insurance $1 per lb.
Uva ursi leaves, bls.....lb. .19 - .20

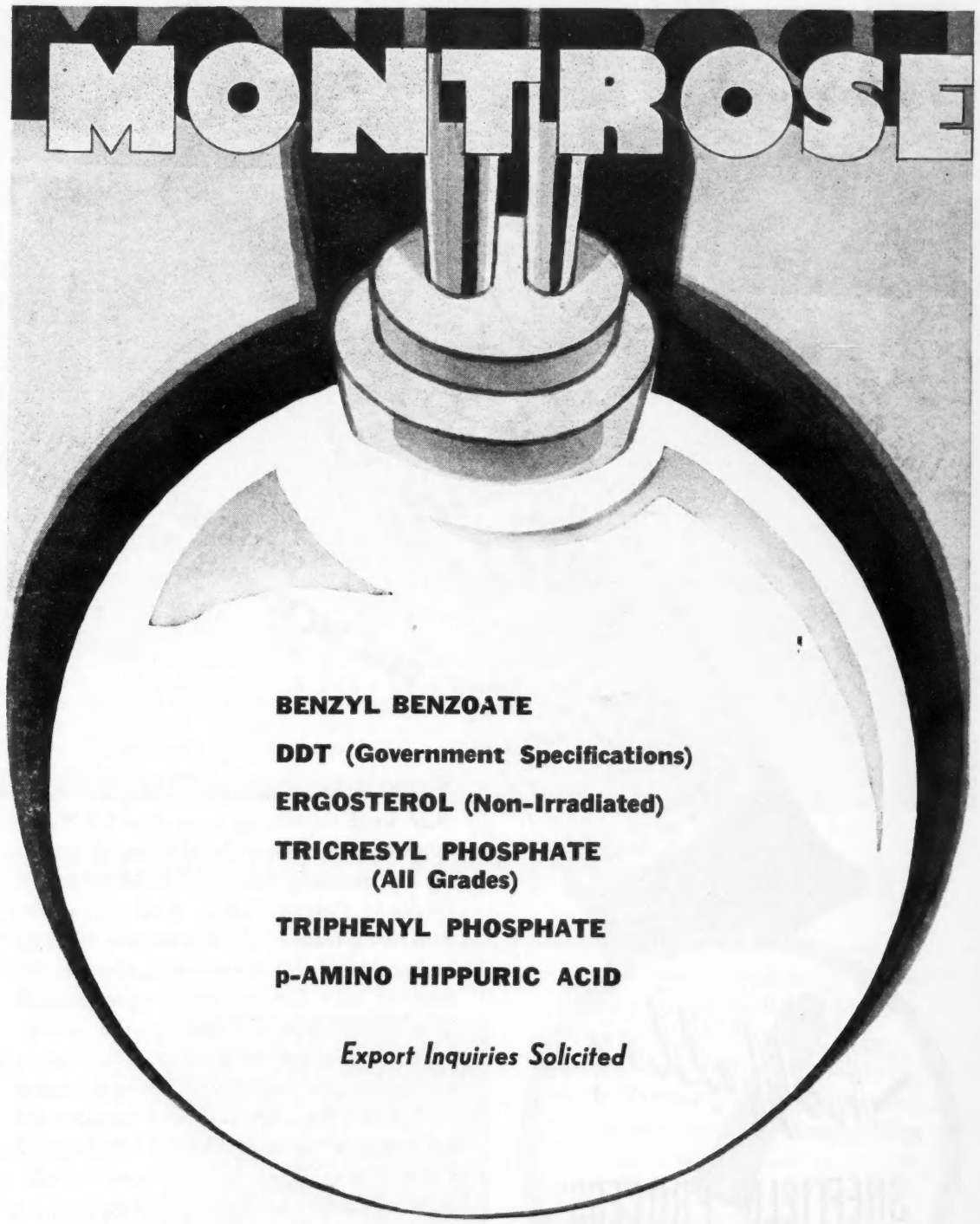
V

Valerian root, Belgian, NF, bls., futures..lb. .58 - .60
Indian, bls.....lb. .45 - .46
Valonia, beards, bgs., f.a.s...ton. No prices
Cups, bgs., f.a.s.....ton. No prices
Vanadium pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb. 7.75 - 8.50
Mexican, cuts, tins.....lb. 9.50 -10.00
whole, tins.....lb.10.50 -11.00
Tahiti, white label, tins.....lb. 3.50 - 3.75
yellow label, tins.....lb. 3.25 - 3.50
West Indian, tins.....lb. No stocks
Vanillin,[1] ex eugenol, tins, 25 lbs. or more..lb. 2.60 - —
smaller lots, tins.....lb. 2.65 - 2.75
ex guaiacol, tins, 25 lbs. or more..lb. 2.35 - —
smaller lots, tins.....lb. 2.40 - 2.50
ex lignin, tins, 25 lbs. or more, lb. 2.35 - —
smaller lots, tins.....lb. 2.40 - 2.50
Venice turpentine, artif., cns..lb. .24 - .25
Verdigris, bbls., bgs.....lb. .22 - .28
Vinyl acetate, cbys., works....lb. .25 - —
dms., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
smaller pkgs., l.c.l., works, lb. .25 - —
Ether, bots., 75 c.c., less 20% and 20%..bot. 1.50 - —
50 c.c., same basis.....bot. 1.05 - —
25 c.c., same basis.....bot. .65 - —
Trichloride (see Trichloroethane).
Vinylpyridin, ret. dms., works.lb. 1.50 - —
Viosterol (irradiated ergosterol), bots., mil., units. .10 - .12
in corn oil (see Calciferol).

Vitamin A (see Oils, codliver, halibut-liver).
B, (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
C (see Acid, ascorbic).
D (see Oils, codliver, halibut-liver, viosterol).
D_2 (see Calciferol).
E (see Alphatocopherol).
G (see Riboflavin).
P-F (see Acid, nicotinic, and Nicotinamide).
Violet, methyl, toner (see M).
V.M.P. naphtha (see Petroleum naphtha, v.m.p.).

W

Wahoo root bark, bls.....lb. .55 - .60
Wattle bark,[1,5] E. Africa, bgs., f.a.s..ton.53.00 - —
S. Afr., bgs., f.a.s.....ton.53.00 - —
extract,[1] liquid, 35% tannin, bbls., works..lb. .05¼- .06¼
tanks .....lb. .04¾- .05¼
solid, E. Afr., 61% tannin, ex dock..lb. .05595- .05845
S. Afr., tannin, ex dock..lb. .0572- .0597
Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs.....lb. No stocks
Bees, bleached, USP, white, bricks, bgs.....lb. .62 - .64
slabs, bgs.....lb. .60 - .62
crude, pure, African, bgs.lb. .44 - .47
Western hemisphere, bgs.lb. .49 - .51
ref'd, USP, bricks, bgs...lb. .56 - .58
slabs, bgs.....lb. .53½- .56
cakes, cs.....lb. .54½- .57
Candelilla, crude, bgs.....lb. No stocks
Candelilla, powdered, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
refined, bgs.....lb. No stocks
Carnauba, chalky, No. 3, bgs., ton lots..lb. 1.30 - —
smaller lots.....lb. 1.33 - 1.34
Carnauba, North Country, No. 2, bgs., ton lots..lb. No stocks
smaller lots.....lb. No stocks
No. 3, bgs., ton lots.....lb. No stocks
smaller lots.....lb. No stocks
refined, bgs., ton lots.lb. No stocks
smaller lots.....lb. No stocks
yellow, No. 1, bgs., ton lots, lb. No stocks
smaller lots.....lb. No stocks
No. 2, bgs., ton lots.....lb. No stocks
smaller lots.....lb. No stocks
No. 3, bgs., ton lots.....lb. No stocks
smaller lots.....lb. No stocks
Carnauba wax, powdered (same differentials as candelilla).
Ceresin, dom., 138°-140° m.p., bgs., ton lots..lb. .13½- .14
jobbing lots.....lb. .14½- .15
150°-160° m.p., bgs., ton lots lb. .15½- .16
jobbing lots.....lb. .16½- .17
160°-170° m.p., bgs., ton lots lb. .16½- .17
jobbing lots.....lb. .17½- .18
Japan, cs.....lb. No stocks
Micro-crystalline, 170° - 175° m.p., A.S.T.M., amber, ctns., 30 tons yearly, contract, group 3, works. lb. .14¼- —
amber, ctns., smaller lots, same basis..lb. .14½- .15½
black, ctns., 30 tons, same basis..lb. .12¾- —
smaller lots, same basis, lb. .13 - .13¾
190°-195° m.p., A.S.T.M., amber, ctns., 30 tons, same basis..lb. .16¼- —
smaller lots, same basis, lb. .16½- .17¼
black, ctns., 30 tons, same basis..lb. .14¾- —
Wax, micro-crystalline, 190°-225° m.p., black, ctns., smaller lots., same basis...lb. .15 - .15¾
white, ctns., 30 tons, same basis..lb. .24¾- —
smaller lots, same basis, lb. .25 - .25¾
Montan, domestic, bgs.....lb. .30 - .35
Ouricury, bgs., ton lots.....lb. No stocks
smaller lots.....lb. No stocks
refined, bgs., ton lots.....lb. No stocks
smaller lots.....lb. No stocks
powdered ouricury prices same as candelilla.
Paraffin (see P)
Spermaceti, blocks, cs.....lb. .26 - .27
cakes, cs.....lb. .27 - .28
White lead (see Lead, white).
White precipitate,[2] powd., dms., 50 lbs. or more..lb. 2.50 - —
White pine bark, rossed, bls..lb. .14 - .15
Whiting, chalk, dry-grd., bgs., c.l..ton.18.00 -22.00
l.c.l. .....ton.20.00 -24.00
wet-ground, bgs., c.l.....ton.21.00 -26.00
l.c.l. .....ton.25.00 -29.00
gilders, bolted, bgs., c.l.ton.20.00 -24.00
l.c.l. .....ton.21.00 -25.00
extra-bolted, bgs., c.l..ton.22.00 -26.00
l.c.l. .....ton.23.00 -27.00
Limestone, dry-grd., 325 mesh, bgs., 40 tons, N. E., works, ton 6.00 - —
smaller lots, N.E., works. ton 7.00 - 9.00
wet-grd., air-coated, 360 mesh, 90¼%, bgs., c.l..ton 9.35 -10.10
200 mesh, 99¾%, bgs., c.l., ton 8.00 - 9.50
90%, bgs., c.l.....ton. 6.25 - 7.00
water-floated, extra gilders, bgs., c.l..ton.10.00 - —
gilders, bgs., c.l.....ton.12.45 - —
putty grade, bgs., c.l..ton.12.00 - —



MONTROSE Chemical Company
LISTER AVENUE, NEWARK, NEW JERSEY
SELLING AGENTS R. W. GREEFF & CO., INC. 10 ROCKEFELLER PLAZA, NEW YORK, N.Y.
TRIBUNE TOWER, CHICAGO, ILLINOIS

Whiting, Paris white, bgs., c.l...
ton.24.00 -28.00
l.c.l. ....ton.25.00 -29.00
precipitated, bgs., c.l....ton.14.00 -15.00
l.c.l. ....ton.18.00 -20.00
Wild cherry bark, thick, bls..lb. .06 - .07
thin, natural, bgs.....lb. .16 - .17
rossed, green, bls.....lb. .25 - .26
Wild indigo root, bls.....lb. .30 - .31
Witch-hazel leaves, bls.....lb. .21 - .22
Witherite (see Barium carbonate, natural).
Woodflour, 40 mesh, bulk, c.l.,
N. Tonawanda, N. Y..ton.20.00 - —
60 mesh, same basis.....ton.24.00 - —
80 mesh, same basis.....ton.27.00 - —
100 mesh, same basis.....ton.30.00 -32.00
Woodflour, in bags, 25c. each extra, returnable.
Wormseed, American, bgs.....lb. .20 - .22
Levant, bgs.....lb. 4.50 - 4.75
Wormwood, bls.....lb. .50 - .60

X

Xanthorrhiza, bls.....lb. .24 - .25
Xylene (see Xylol).
Xylidin, mixed, dms.....lb. .85 - .86
Xylol (xylene), coaltar, indus., ret. dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .26 - —
West Minnequa, Colo...gal. .26 - —
10°, ret. dms., works.....gal. .34 - —
tanks, E. of Omaha, frt. alld. gal. .29 - —
5°, ret. dms., works.....gal. .41 - —
tanks, E. of Omaha, frt. alld. gal. .36 - —
8°, ret. dms., works.....gal. .47 - —
tanks, E. of Omaha, frt. alld. gal. .41 - —
Petroleum xylol prices, same as those for coaltar xylol.

Y

Yara yara, cryst., bots., cns..lb. 1.75 - 1.90
Yeast, brewer's dry, 50 B units, dms..lb. .35 - —
90 B units, dms.....lb. .45 - —
200 B units, dms.....lb. .50 - —
300 B units, dms.....lb. .60 - —
Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul..lb. .32 - —
Barium chromate yellow price differentials in other State and city zones are those for chrome yellow below.
Benzidin, bbls., dlvd.....lb. 1.35 - 2.25
Cadmium, CP, bxs.....lb. 1.35 - 1.40
ton lots, E. of Rockies..lb. .55 - —
smaller lots, same basis, lb. .65 - —
Sulphide, orange, cs., kgs., works..lb. 1.10 Nom.
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .16 - —
Chrome yellow prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport), 1¼c., Miss., N. C., S. C., Tenn., Tex. (Dallas), 1¼c.; Ft. Worth, 1½c.; El Paso, 2c.; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis as chrome..lb. 1.37 - —
primrose, bbls., same basis.lb. 1.75 - —
Yellow mercury oxide, bbls., 1,000 lbs..lb. 2.43 - —
smaller lots.....lb. 2.45 - —
Ocher, American, golden, bbls., works..lb. .04½- .06¼
yellow, bbls., works.....lb. .02 - .02¼
French type, bbls., c.l.....lb. .0845- —
l.c.l. .....lb. .0865- —
Oxide, iron, nat, bbls., c.l., Bethlehem, Easton, Pa..lb. .04½- —
l.c.l., same basis.....lb. .05 - —
synth., bbls., c.l, works...lb. .0685- —
l.c.l., works.....lb. .071 - —
Persian orange (see O).
Zinc, bbls., same basis as chrome..lb. .16 - —
Navy spec. type, bbls., contract..lb. .16 - —
Yellow dock root, bls.....lb. .35 - .36
Yellow xanthorrhiza (see Xanthorrhiza).
Yerba santa leaves, bls.....lb. .21 - .25
Yohimbine hydrochloride, vis..oz. 3.00 - 5.75

Z

Zein, bgs., 1,000 lbs., works...lb. .25 - —
smaller lots, works.....lb. .30 - —
Zinc acetate, tech., bbls., dlvd.lb. .16 - .17
USP, bbls.....lb. .26 - .27
kgs. .....lb. .29 - —
Arsenite,[1] bgs., c.l., frt. alld. E. of Rockies..lb. .11¾- .13½
l.c.l., same basis.....lb. .12¾- .13¾
Borate, bgs., c.l.....lb. .12 - —
Carbonate, tech., rubber makers' grade, bbls., works..lb. .09¾- .10¾
USP, precip., powd., bbls..lb. .35 - —
dms. .....lb. .40 - —
kgs. .....lb. .37 - —
Chloride, tech., fused, dms., c.l., works..100 lbs. 5.00 - —
l.c.l., works.....100 lbs. 5.35 - —
Zinc chloride tech., gran., dms., c.l., works..100 lbs. 5.75 - —
l.c.l., works.....100 lbs. 6.50 - —
solution, 50%, dms., c.l., works..lb. .0315- —
l.c.l., works.....lb. .04¼- .04½
tanks, works.....lb. .0250- —
USP, dms.....lb. .30 - .31
jars .....lb. .35 - .36
Chromate (see Yellow, zinc).
Cyanide, kgs., works.....lb. .33 - .37
Dust,[6] bbls., c.l., dlvd.....lb. .1035- —
l.c.l., works.....lb. .1135- —
Fluoride, bbls.....lb. .25 - .30
Hydrosulphite, dms., works..lb. .16 - —
Iodide, NF, bots.. .....lb. 4.68 - 4.75
jars .....lb. 4.40 - —
Laurate, bbls.....lb. .32 - .33
Metal,[1] (quotations in Protective Coatings market).
Naphthenate, 8%-10% Zn, dms. lb. .16 - .19½
Oxide, pigment, dom., acicular, bgs., c.l., dlvd..lb. .07¼- —
l.c.l., dlvd.....lb. .07½- —
American process, com'l, lead-free, bgs., c.l., dlvd..lb. .07¼- —
l.c.l., dlvd.....lb. .07½- —
leaded, 5%, bgs., c.l., dlvd..lb. .07½- —
l.c.l., dlvd.....lb. .07⅝- —
35% or more, bgs., c.l., dlvd..lb. .07 - —
l.c.l., dlvd.....lb. .07¼- —
French process, com'l lead free, bgs., c.l., dlvd..lb. .07¼- —
l.c.l., dlvd.....lb. .07½- —
green seal, bgs., c.l., dlvd..lb. .09 - —
l.c.l., dlvd.....lb. .09¼- —
red seal, bgs., c.l., dlvd. lb. .08½- —
l.c.l., dlvd.....lb. .08¾- —
white seal, bgs., c.l., dlvd..lb. .09½- —
l.c.l., dlvd.....lb. .09¾- —
USP, ctns., c.l.....lb. .10½- —
l.c.l. .....lb. .10¾- —
Zinc oxide Pac. Coast prices ½c. higher; bbl. prices ½c. higher than bgs.
Resinate[4] fused, 1% Zn, lump, dms..lb. .11 - .12
precipitated, 8.40% to 9% Zn, powd., dms..lb. .14½- .15
Silicofluoride, bbls.....lb. .15 - .16
Stearate, tech., ctns., c.l., frt. equald..lb. .29 - —
smaller lots, same basis.lb. .30 - .31
USP (same prices as tech.).
Sulphate, cryst., bgs., c.l., works, frt. alld..100 lbs. 3.40 - —
l.c.l., same basis.....100 lbs. 4.15 - —
flake, bgs., c.l., same basis. 100 lbs. 3.80 - —
l.c.l., same basis.....100 lbs. 4.55 - —
powd., bgs., c.l., same basis.. 100 lbs. 5.35 - —
l.c.l., same basis.....100 lbs. 6.10 - —
Zinc sulphate, in bbls., 25c. higher.
Sulphide,[1,4] pure, bgs., c.l., dlvd..lb. .08¼- —
l.c.l., dlvd.....lb. .08½- —
bbls., c.l., dlvd.....lb. .08½- —
l.c.l., dlvd.....lb. .08¾- —
Barium pigment,[1,4] bgs., c.l., dlvd..lb. .0560- —
l.c.l., dlvd.....lb. .0585- —
Calcium pigment,[1,4] bgs., c.l., dlvd..lb. .0560- —
l.c.l., dlvd.....lb. .0585- —
Fluorescent pigment,[1,4] works, frt. alld..lb. .90 - 1.00
Magnesium pigment,[1,4] bgs., c.l., dlvd..lb. .05¾- —
l.c.l., dlvd.....lb. .06 - —
Zinc sulphide and pigments, Pac. coast prices ¼c. higher; bbl. prices ¼c. higher than bgs.
Sulphocarbolate, NF, bbls., dms. lb. .28 - .30
Tallate, 5% Zn, dms.....lb. .09¾- —
Yellow (see Yellow, zinc).
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.65 - —
l.c.l., works.....100 lbs. 6.70 - —
Zinc-cadmium sulphide, fluorescent, cns., works, frt. alld..lb. 2.00 - 2.80
Zinc-iron oxide pigment, bgs., c.l., dlvd..lb. .06 - —
l.c.l., dlvd. E. of Rockies, lb. .06¼- —
Pac. cst.....lb. .06½- —
ex whse., Pac. cst.....lb. .07 - —
Zirconium hydride, cns., works, lb. 7.00 - 8.00
Nitrate, kgs., works.....lb. 3.00 - 4.00
Oxide, crude, 70-75%, grd., bbls., works..ton.75.00 -100.00
ex whse., Pac. cst....lb. .07 - —
white, 98%, grd., kgs., works, lb. 1.80 - 2.00

Synthetic Resins

The customary monthly listing of prices for synthetic resins and other branded paint materials was printed in OPD for Nov. 5.

U.S. Revenues Show Gain in October

Bureau of Internal Revenue, Washington, reported taxes collected for October, 1945, compared with October, 1944, were as follows:—

	October 1945	October 1944
Coconut, etc., oils, processes	$592,339.32	$540,578.63
Distilled spirits, domestic, excise tax	161,159,872.25	116,499,790.05
Distilled spirits, imported, excise tax	10,351,495.68	14,654,082.61
Gasoline	43,813,358.54	38,734,827.63
Lubricating oils	7,001,490.33	5,819,426.89
Narcotics, including special taxes	57,003.87	35,795.52
Oleomargarin special taxes	387,928.16	372,978.61
Totals	2,839,134,661.24	2,487,742,406.86

Lithomat Corp. Buys Chemical Products Corp.

Lithomat Corporation, producer of plastic lithographic plates and related chemicals, Cambridge, Mass., has purchased the outstanding stock of Chemical Products Corporation, East Providence, L. I.

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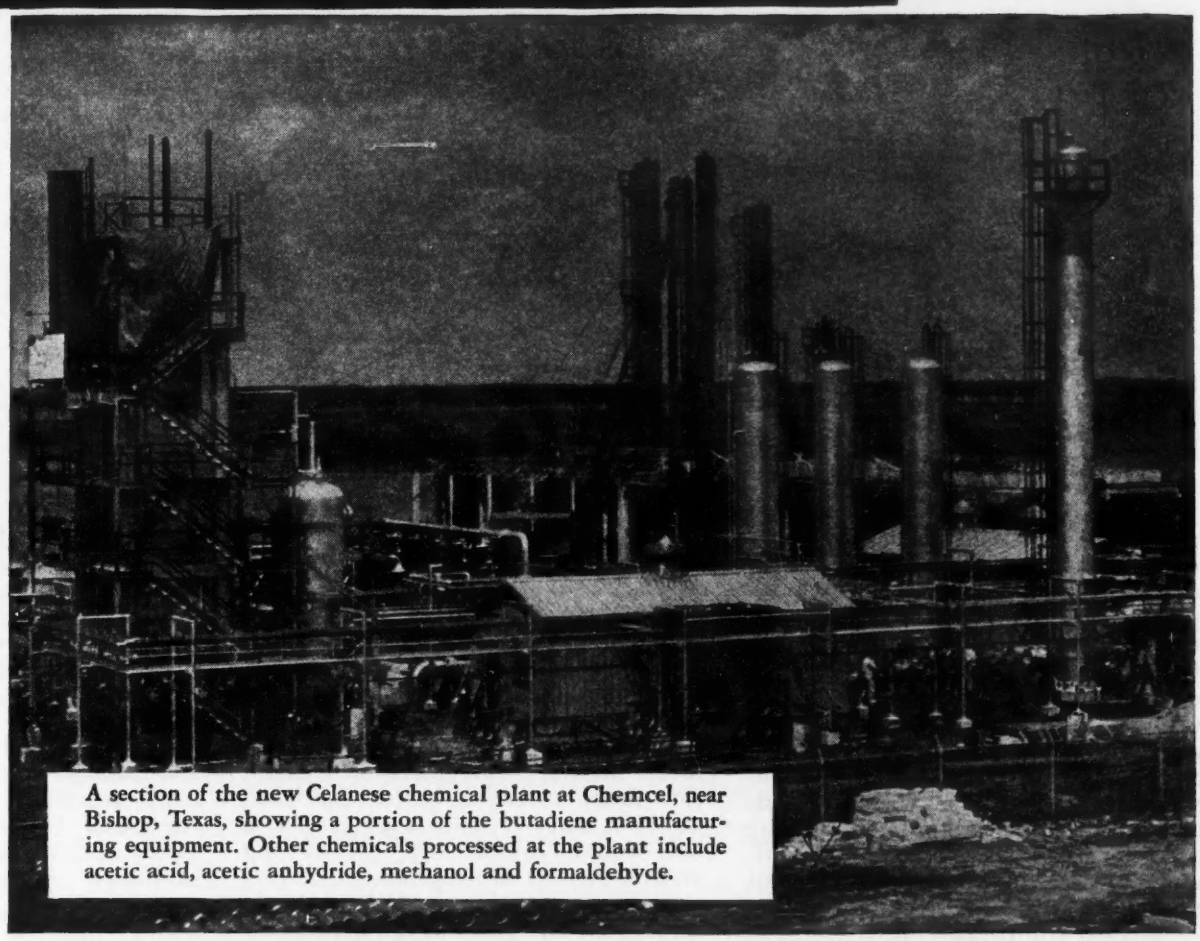
Celanese* Chemicals



A section of the new Celanese chemical plant at Chemcel, near Bishop, Texas, showing a portion of the butadiene manufacturing equipment. Other chemicals processed at the plant include acetic acid, acetic anhydride, methanol and formaldehyde.

A BROADER BACKGROUND for Celanese Research

THE COMMISSIONING of the Celanese chemical plant near Bishop, Texas, marks an important step in the development program for the chemical division of Celanese Corporation.

Manufacture of a wide variety of basic chemicals has begun, including such versatile compounds as acetaldehyde, acetic acid, acetic anhydride, acetone, formaldehyde, methanol and butadiene.

Celanese research in the related fields of textiles, plastics and chemicals and the increasing industrial acceptance of synthetic compounds underlie this program of expansion. An even broader application of Celanese research data to specific industrial problems will be possible when full production is achieved.

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Business Has Failed Itself

There is a generous helping of food for thought in the failure of the employment relations conference of management and labor to contrive a means of terminating existing disruptions and preventing others in the future. And the repast is not particularly appealing to taste or digestion.

Business has failed itself; because, as President Truman regretfully has said, the failure of the conference even to reach an accord on a recommendation toward strike relief throws upon government the responsibility for the correction of what has become an intolerable handicap to reconversion and national prosperity. The inescapable conclusion is that business is not competent satisfactorily to handle its own affairs. Enough capital was made by those opposed to private enterprise out of the necessity that government undertake the task of recovering from the disastrous debacle of some fifteen years ago. What those advocates of a new order will do with the latest load of adverse ammunition with which they have been supplied will not be good for business.

President Truman has gone to Congress with a demand for legislation directed to the remedying of disturbances arising from employment relations. He expresses the view that Congress is disappointed at the failure of the management-labor conference. It is easy to accept that view, because Congress is less competent than the conference to deal with the matter and is far more likely to misdeal as it always has in the field of so-called "labor" legislation.

It is not a function of democratic government to deal with the employment relations problems of business as such. Government comes into the picture when the problems get out of hand and become an offense against the public. Even then its role is limited to the termination of such an offense. It should have nothing to do with the eruptive internal affairs; that is a private matter—otherwise the whole idea of private enterprise falls down.

It is not a function of democratic government to legislate standards for or controls of the internal relations of business, except insofar as their proscription may be necessary in the common welfare of the public at large. The fact that the government of the United States has legislated standards and controls in the field of employment relations is one of the strongest arguments available to those who proclaim the incompetence of private enterprise. The legislation which has come out of the governmental acceptance of that view has been no more competent—and largely for the same reason of inherent inequity.

President Truman seeks a legislative checkrein for strikes. No such means can possibly be remedial or adequately preventive. It deals only with symptoms. The President's request for a fact-finding agency for getting to the bottom of "labor troubles" and, at least, presenting the indicated remedy is a more desirable proposal; but, that agency should be set up by business itself. Again, the function is not properly governmental.

The President warns against legislation which "would stifle full freedom of collective bargaining on either side," saying that that would be a "backward step." The existing "labor laws" are very largely of the nature which he would avoid. A backward step is very much in order—going back for the elimination of the inequities set up by existing laws. The condition therein inherent contributed more than a little to the futility of the conference on employment relations. It is time to go back and start from scratch with a new, honest purpose.

—BOND YOURSELF TO KEEP THE PEACE—

Alcohol Rubber Dropped

The intention of the Reconstruction Finance Corporation to quit using alcohol for the production of synthetic substitutes for rubber and to maintain the reduced production program on the basis of petroleum butadiene presents an interesting group of economic topics. And almost everyone of those topics has a definite political aspect. The matter has possibilities in many directions.

The most significant indication in the revised rubber program is that, insofar as RFC sees the picture, the need for synthetic elastomers has greatly diminished. How many reasons lie behind that view, and how many of them support it as a fact would require long analysis and much argument to determine. One reason, of course, is that war's demands for rubber, or something like it, have shrunk to almost nothing—and left a goodly surplus of products. Analysis of that reason would start with the obvious, large need for tires on civilian automobiles. It would go into the suitability of wartime products and it would wander around in a maze of opinion on that score. The analysis would be a long time getting anywhere.

A more understandable reason for the curtailment of the elastomer program is the slow but sure return of natural rubber to the tire and other large-user industries. Here again analysis runs into an extensive labyrinth of political, social, and commercial economics. Deals must be made with those who derive substantially in their livelihood from the growing of rubber trees, the harvesting of their latex, and the marketing of the resulting material. This side of the matter involves politics, perhaps primarily, with trade as a close second. The social idea that it is not good for the whole to deprive any part of the world's population of a substantial means of livelihood gets into the picture, but not prominently.

Then the matter gets down to the domestic socio-political question of what to do about scrapping $117,000,000 worth of alcohol-butadiene plants, and how will the farmers, individually as voters and en bloc as compressors, take to the resulting loss of a big, profitable market for crops. It is not to be expected that the RFC plan to abandon alcohol butadiene will be allowed to pass unnoticed by those who are convinced that agriculture is a governmental ward. One can already hear the argument that all those millions of taxpayers' dollars of plant investment must not be wasted; but he never will hear anything about its being wasteful to pass out at least that many millions annually in the subsidization of profitless agricultural pursuits.

Official data indicate that it costs three times as much to make a rubber substitute starting with grain alcohol as it does to make the same elastomer from a petroleum start. But, that is not the end of that economic aspect of the RFC intention. Analysis must be applied to the relative economic value of using an irreplaceable raw material which is of greater necessity in other fields or substituting a material which can be produced from annual vegetation. That question has a peculiar twist in that, if the alcohol plants are not used to produce a substitute for a petroleum derivative in the synthesis of automobile tires, it is almost certain that they will be used to make a substitute for gasoline as a motor fuel.

The RFC rubber plan will ring a thousand changes on many a bell from Singapore to Salina. What it will mean to the synthetic chemical industry of the United States cannot be foretold. But the farmer will not come out second.

—BOND YOURSELF TO KEEP THE PEACE—

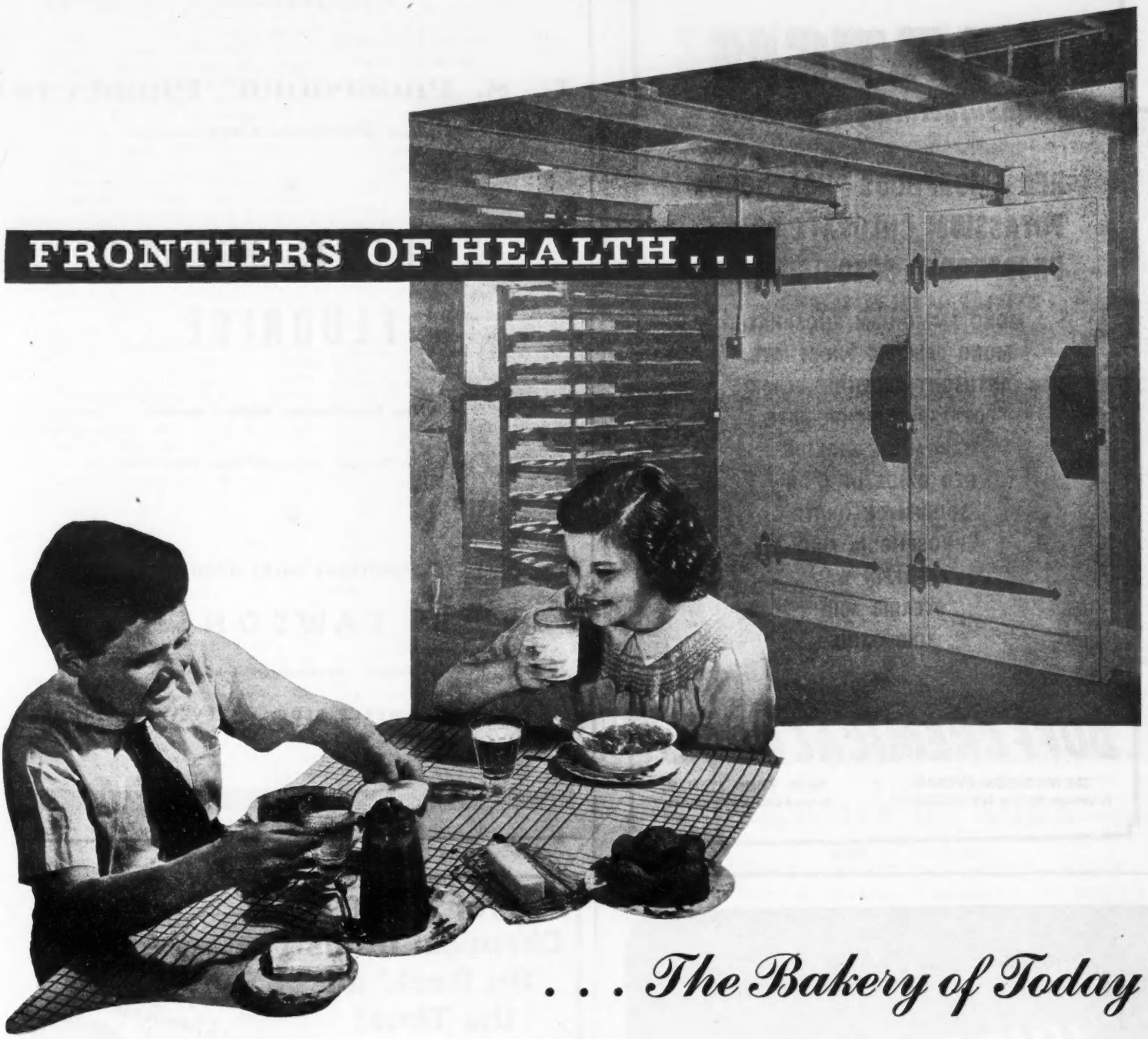
Responsibilities in Representation

In the course of its looking into the policy, or lack thereof, of the executive branch of the government in respect of foreign relations, Congress should give a bit of consideration to a policy for the legislative branch in respect of its domestic relations. It would be good to know the extent to which the elected law-making representatives of the people really represent them or what they do represent. It would also be helpful to have a definition of the reciprocal responsibilities of representers and representees.

Congress functions all too generally with all too little knowledge or information of actual public opinion with reference to the purpose, the philosophy, or the plan of legislative proposals. The results all too often speak for themselves in tone and tenor that are far from satisfactory.

The failure of legislation properly to reflect public opinion on the matter with which it deals is customarily laid at the door of the misrepresented electorate. The public is blamed because it has allowed its lawmakers to get their advice and instructions from clamorous minorities. But, does an elected representative fulfill the duties of his office or measure up to the confidence reposed in him when he does not make every possible effort to find out the views of his constituents on every legislative proposal that he is called upon to consider?

It is at least as much the responsibility of a legislator to ask, as it is that of his constituents to tell, what they think about a pending bill. And he does not have to pay postage on his inquiry!



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Heavy Chemicals

Approach of the inventory period has not induced conservative buying of heavy chemicals to any unusual extent to date. Meanwhile producers are more inclined to figure on how much tonnage they will owe against contracts at the beginning of the new year. Although the majority of industrial chemicals have remained tight, an exception can be noted in carbon tetrachloride. There is an accumulation of this chemical at present and dry cleaners as well as other users, whose supply was stinted during the war period, can now obtain all they desire. Some chemicals that have recently assumed a position close to normal after the war rampage are bicarbonate of ammonia, magnesia chloride, naphthenic acid, carbonate of potash, caustic potash and silicate of soda. Soda ash and caustic soda remained in a definitely tight position. Electrolytic caustic soda output will be regulated by the demand for chlorine. If a ready market for chlorine is maintained, production of electrolytic caustic soda output will be sustained, but it will not if chlorine production falls off. At the present time, chlorine is recovering from the effects of late labor disturbances and there is not too much material on the market, but there are no concrete ideas regarding prospects.

Oxalic acid is heavily sold through February with some major producers not eager to take on more carlot business for that month. Sal ammoniac remained distinctly tight under an active demand from the dry battery trade. Only slow progress can be reported in reference to additional producing facilities whose operation might easily change the sal ammoniac supply picture. Limited quantities of nickel sulphate from a new producing plant have helped out the market situation and are possibly the forerunner of larger future shipments. The buying movement in zinc sulphate has kept the supply position tight.

Paper production as a percentage of six-day capacity was 97.5 in the week ended Dec. 1, according to the American Paper and Pulp Association. This compares with 91.4 in the previous week and 91.0 percent a year ago.

Production and supply figures noted in some of the following market reports were released by the Chemicals Bureau unless otherwise specified.

Aluminum Scrap—This was the only type of nonferrous scrap to show even a slight increase in receipts during the month of September. The gain of 661 tons placed total receipts at 11,991 tons, the largest amount received during the past three months. Shipments during September suffered a sharp tumble, falling from 11,460 tons during August to 7,711 tons—a drop of 33 percent—the lowest tonnage shipped during any month since May, 1942. Stocks of aluminum scrap held by dealers were 54,145 tons at the end of the month, the highest since January 31, 1945, according to the Bureau of Mines.

Ammonia Bicarbonate—Active buying interest was noted from bakeries and the movement has maintained a satisfactory seasonal average. Current production has kept the supply position favorable and prompt shipments were available from first-hand sources.

Ammoniac Sal—White granular has continued to find a ready outlet for the manufacture of dry salt batteries. The pressure of demand has drained output and prevented any easement in the tight supply situation. Progress is slow in the construction of new producing facilities, completion of which might change the supply picture rapidly.

Carbon Tetrachloride—One of the few industrial chemicals that are in free supply at present. While the accumulation of stocks has not added prestige to the market's price structure, it has offered an opportunity for dry cleaners and other consumers to obtain all the material they desire.

Copper Scrap—Dealers' receipts of 34,746 tons of copper and brass scrap during September were the lowest in more than three years. The absence of demand among consumers was reflected in the shipments of these items to them which totaled 32,114 tons against 38,470 tons in August and the lowest amount shipped since March, 1942. Stocks of 57,061 tons at the end of September showed a gain of 2,632 tons over August, according to the Bureau of Mines.

Fluorspar—A report and maps on the White Star, Oakland, and Universal fluorspar veins near Hot Springs, Sierra County, N. Mex., have been issued as preliminary maps 3-190 of the strategic minerals investigations series. A limited edition of this report is available, and may be obtained without charge from the Director, Geological Survey, Washington, D. C.

Glauber's Salt—Slight gain in production was noted in September. The total was 13,780 tons against 12,490 tons in August. Stocks were down to 2,262 tons at the end of September, compared with 2,906 tons on August 31.

Magnesia Chloride — Continues to find a good outlet for fire proofing and moisture proofing surfaces, although the movement is considerably below that experienced when the government's shipbuilding program was in progress. Current stocks are of fair dimensions and prompt shipments are available.

Molybdenum — Starr molybdenum mine, about five miles west of Tonasket, Washington, has been investigated and found to be a valuable but fairly low-grade reserve of molybdenum. A report entitled "Geology of the Starr Molybdenum Mine, Okanogan County, Wash.," has been placed in open file at the office of the Supervisor of Geology, State Department of Conservation and Development, Pullman, Wash., and at the Geological Survey offices at 707 Peyton Building, Spokane, Wash., and at Washington, D. C.

Nickel Scrap—Trading was almost at a standstill during September. Receipts dropped 18 percent, from 825 tons during August to 675 tons during September, and shipments fell 24 percent, from 875 to 664 tons, whereas dealers' stocks of 1,996 tons showed an increase of only 11 tons over the August stocks, according to the Bureau of Mines.

Nickel Sulphate—Buying interest in the Middlewest has been tempered slightly by the automobile strike and, while suppliers are behind contract schedules, gradual improvement is taking place. Additional production is reaching the market in a limited way at present.

Salt — Department of Agriculture purchased 500,000 pounds of table salt, type A, in 100-pound bags at 97c. per cwt., New York, on November 15.

Salt Cake—September production was off over 5,000 tons from August. The total was 43,598 tons compared with 48,974 tons in August. Stocks at the end of September amounted to 56,235 tons against 58,610 tons at the end of the preceding month.

Soda Ash—Buying conditions have shown no improvement during the past week. Demand for dense ash from the glass industry has been maintained at an unusually high level which will likely continue until the tin stringency eases. While the soap and paper industries may not be represented as heavily in light ash as in some normal years, the ceramic, metal, petroleum and textile industries are making sizable inroads into current production. As previously stated, bulk shipments are holding down a fairly

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

General Chemicals

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
168.9	168.9	168.9	169.0

Acids

Last week.	Prev. week.	Last month.	Last year.
116.0	116.0	116.0	116.0

For Current Prices see page 9.

OPD—12-10-1945 43

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prompt schedule but in packaged goods, deliveries are much more delayed.

Soda, Caustic—Plant shipments at present are practically all for domestic use. A heavy, diversified demand, which is unsatisfied, has prevented any easement in the supply situation. At present there is an active call for shipment emanating from the oil refining, rayon and textile industries. Heavy home consumption has left export orders open, there being no material at present for foreign use. Under the manpower shortage, liquid is in better shape for shipment. Flaked, ground, powdered and solid remain in definitely tight supply.

Soda Chlorate—Shipments for weedkiller have continued unusually heavy for shipment West, where this material is poured on the snow for weed destruction. Producers have soda shipments under better control than chlorate of potash. Demand for match manufacture and export has topped output for the latter chemical.

Soda Hydrosulphide — September production consisted of 1,940,000 pounds compared with 2,250,000 pounds in August. Supplies at the end of the month amounted to 647,000 pounds against 684,000 pounds on August 31.

Soda Phosphate—Tetra production did not vary much in September. Output registered 3,812 tons against 3,905 tons in August. Stocks were down to 525 tons on September 30, compared with 1,037 tons at the end of the preceding month. Meta output in September amounted to 2,299 tons, compared with 2,227 tons in August. Stocks showed 377 tons at the close of September against 271 tons at the end of August.

Tin—In order to strengthen controls for implementing the international allocation of tin, which is still in critically worldwide short supply, the Civilian Production Administration has again placed this metal under the controls of the general imports order, M-63. Tin bars, blocks, pigs, grain or granulated, and tin alloys, including alloy scrap, which are now being returned to M-63, were removed from import control in August of 1944 because under wartime conditions its private importation was not feasible. September receipts and consumption of tin-base scrap showed a 7 percent gain in receipts and a 13 percent increase in consumption. Receipts of 634 tons and the use of 633 tons left stocks of tin scrap and residues at smelters' plants just one ton higher (1,199 tons) at the end of September.

Acids

Monochloracetic—While this material was available for prompt shipment, current production has not been sufficient to cause much easement in the supply situation and there was an inclination to limit offerings. Trichloracetic was in a similar position.

Napthenic—Market conditions have improved since the turn of the month with all grades in better supply. The situation at the close of the week appeared close to normal.

Oxalic—Heavy miscellaneous demand has kept production constantly under pressure. Carlot shipments could probably have been booked for February although producers were not keen to offer for that month. Deliveries have run behind contract schedules throughout the entire year.

Pyroligneous—Buying interest moderate with transactions confined to small lots representing actual requirements of the dye, vinegar and other consuming industries.

Sulphuric—Most industries seem to be getting sufficient acid at present. Production has found a steady outlet and judging by trade reports there are no stagnant inventories at present. In the Baltimore area demand is getting somewhat ahead of supply.

Naval Stores Statistics April-September

Production of gum and wood turpentine in the United States in the period April-September, 1945, amounted to 281,124 barrels of 50 gallons each, compared with 269,439 barrels in the same period last year, according to Naval Stores Research Division of the Department of Agriculture. Production of gum and wood rosin totaled 774,481 drums of 520 pounds, against 728,736 drums in the corresponding year.

Supply and Distribution

	Turpentine Apr.-Sept., 1945 Barrels of 50 gals.	Rosin Apr.-Sept., 1945 Drums
Carryover, April 1	202,566	388,266
Production	281,124	774,481
Imports	8,896	9,326
Available supply	492,566	1,172,073
Less carryover	165,326	473,146
Apparent total consumption	327,240	698,927

Production

	Turpentine	Rosin
Gum	158,981	431,055
Wood	122,143	343,426

Location of Carryover Stocks

	Turpentine	Rosin
Gum stills	25,503	88,606
So. concern points	72,847	28,641
Wood plants	12,767	66,181
Distribution points	27,009	17,866
Industrial plants	27,110	271,762
Total in United States.	165,326	473,146

Consumption by Industries

	Turpentine Parrels of 50 gals.	Rosin Drums 520 lbs.
Abattoirs	.....	211
Adhesive and plastics	162	11,566
Asphaltic products	.....	1,463
Automobiles and wagons	97	67
Chemicals and pharmaceuticals	55,595	138,304
Ester gum and synthetic resins	9,400	131,758
Foundries and foundry supplies	318	7,950
Furniture	75	2
Insecticides and disinfectants	8	3,085
Linoleum and floor coverings	21	4,349
Matches	.....	681
Oils and greases	63	14,541
Paint, varnish, and lacquer	8,656	52,122
Paper and paper sizes	.....	133,233
Printing ink	103	3,610
Railroads and shipyards	4,950	8,813
Rubber	449	12,881
Shoe polish and shoe materials	5,568	2,995
Soap	.....	121,804
Other industries	76	2,447
Total industrial reported	85,541	651,812

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N.A.I.D.M. Meeting

—Continued from page 7

Mr. Hamilton recommended that an exhibit be held in conjunction with the 1946 or 1947 annual convention. He felt that space could be sold for the exhibition of products, sprayers, packages and chemicals and that any profit obtained from this source could be applied to research.

Oils, Fats Outlook

John B. Gordon, Washington representative for the association, said that the United States government is negotiating with the Dutch government for the purchase of $600,000,000 worth of tin, delivery of which would start when the difficulties they are having with their subjects in the Dutch East Indies are settled and normal production operations are restored. The purchase of this tin should be of interest to spray gun manufacturers. Mr. Gordon added:—

Oils and fats will remain in short supply all through 1946. Our cotton crop is short, which will mean less cottonseed oil. Our soybean crop is not quite up to expectations. The diminished number of hogs on farms and the tremendously reduced rates of slaughter of hogs has resulted in a greatly reduced production of lard and grease. Only in the past few days have hogs begun to move to market in any volume and they are coming in such numbers that the packers do not have the manpower to handle them. The farmers held their hogs back until they had time to feed them up with new crop corn. The increased slaughter in prospect will ease up the lard and grease supply situation, but there still will not be enough to adequately meet the demand.

There is an increased slaughter of beef cattle and this will mean a larger production of tallow as the large number of beef cattle now on feed move to market, but the supply will continue short of demand all through 1946. Linseed oil supplies during 1946 will be far below requirements.

Wax Prices Discussed

Melvin Fuld of Fuld Brothers, Baltimore, in the symposium on raw materials for floor waxes, said that prices for raw materials have been fluctuating since the lifting of the OPA regulations. Through his narration of the existing market conditions, it was gathered that the situation in the marketing of raw materials for floor waxes was in a chaotic condition.

Labeling Discussed

E. L. Griffin read a paper prepared by Dr. W. G. Reed, chief of the Insecticide Division of the Department of Agriculture, said it was unfortunate that the public has received so much confusing information about DDT and the proper strength solutions to use. The insecticide division has never raised any question about the use of small amounts of DDT in space sprays in combination with other toxicants.

Dr. Reed reported that the department objected to statements on labels which would give the impression to users that the preparation contained more of a particular substance than was actually the case. He added since aerosols contain an inert ingredient, it is necessary under the Federal law for them to bear on the label a plain and correct statement of the name and percentage amount of each and every inert ingredient—or, in lieu of this, a plain and correct statement of the name and percentage amount of each of the active ingredients, together with the total percentage of inert ingredients.

Legislative Report

W. J. Zick, of Stanco, Inc., submitted the report for the legislative committee. Mr. Zick said that forty-four State legislatures were in session in 1945. He said that a committee representating the association met with the membership of the Department of Agriculture in Washington to discuss the proposed federal insecticide act. He added that many recommendations made by the committee had been incorporated into the act. He told of the work of the labeling committee on DDT.

Colors for Compounds

Henry F. Hermann of General Dyestuff Corporation, discussed "Colors for Chemical Compounds." Mr. Hermann said that the following questions are the first to be cleared up when undertaking a new color assignment:—Chemical nature of the various constituents; physical characteristics of the constitutents and the finished preparation; principal solvent used; final color which is wanted; permanence requirements — staining limitations; cost factors; container construction; Federal regulations (if any) with respect to use of certified colors, and an understanding of available coloring materials.

Officers Elected

Officers elected were:—

President, N. J. Gothard, of the Sinclair Refining Company, East Chicago, Indiana; first vice-president, Gordon M. Baird, Baird & McGuire, Holbrook, Mass.; second vice-president, A. W. Morrison, of the Socony-Vacuum Oil Company, New York; treasurer, John Powell, John Powell & Company, New York; secretary, H. W. Hamilton, Koppers Company, White Tar Division, Kearny, New Jersey.

Elected to board of governors were:—

For three years, D. F. Murphy, of the Rohm & Haas Company, Philadelphia, Pa.; H. A. Nelson, of the Chemical Supply Company, Cleveland, O.; Jack Varley, of Baird & McGuire, Inc., St. Louis, Mo.; for two years, Arthur Rasmussen, of the Furst-McNess Company, Freeport, Ill.; for one year, G. H. Wood, G. H. Wood & Co., Ltd., Toronto, Canada.

German Pesticide Work

—Continued from page 7

"tetrazolium salt." Seeds that will germinate turn red upon soaking in a solution of the salt.

The German scientists claimed that they have devised a method of producing DDD in good yield from ethanol, chlorine and chlorobenzene, without the formation of DDT. If this should be confirmed by United States experiments, the investigator states, this information would prove valuable, since DDD, which is as effective a larvicide as DDT, presumably could be produced more cheaply. The German mosquito repellent "50/181" may also prove valuable. "Bladan," claimed by the Germans to be an excellent substitute for nicotine against aphids, is included among the insecticides discussed in the report.

Another report, No. 240, entitled, "Manufacture of Insecticides, Insect Repellents, Rodenticides, I. G. Farbenindustrie, A. G., Leverkusen and Elberfeld, Germany," by Lt. Col. Joseph E. Smadel and Francis J. Curtis, provides twelve pages of additional data on these subjects. The price of this report is also 25 cents. Report No. 240 contains data on the manufacture and use of "Lauseto, old," an analog of DDT; "Gix," reportedly seven times as effective as DDT against flies but ten times as expensive; "Me 1700," similar to DDT; "Lauseto, new," reported to be five times as active as DDT against lice, but of little value against flies and aphids; "D 1210," a preparation against bedbugs; "Bladan," reportedly more active than nicotine against plant lice; "Lucex," less effective than "Lauseto, new," but cheaper; mosquito repellent "50/181," said to be superior in action to diethyl phthalate; "Castrix Giftkoerner," a rodent poison to be used in place of thallium compounds; "Gp 4243," a new rodenticide, and three new types of "Eulans" moth-repellents.

Reports 240 and 252 may be purchased in person in the OPB reading room, Commerce building, or by mail. Mail orders should be accompanied by check or money order, made payable to the Treasurer of the United States, and should be addressed to the Office of the Publication Board, Washington 25, D. C.

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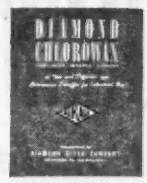

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CWS Contemplating

—Continued from page 3

means of contracts to supplement its own research activities. Also, as soon as the necessary readjustments can be made from war to peace, the service will seek to interest technical schools throughout the country in the establishment of research fellowships for problems on national defense.

As a result of its war activities, CWS has a number of installations which can be used in part for important peacetime problems of a chemical nature. Besides the large chemical and medical laboratories at Edgewood Arsenal, there are extensive proving grounds at Dugway, Tooele, Utah; and testing facilities at arsenals at Denver, Col.; Pine Bluff, Ark.; Huntsville, Ala., and Edgewood. A large testing ground for tropical research is available at San Jose Island some 50 miles from Panama.

In connection with the testing and research work done at home, General Waitt also recalled how a staff of industrial experts were mobilized shortly before the Normandy invasion to follow the advancing armies of the Allies to pry out secrets of the German chemical industry. The information secured, he pointed out, is being made available to the Department of Commerce for release to the public.

Chlorine Equipment Studied

He added that, in addition to the findings of these investigators, CWS has taken steps to secure certain pieces of enemy equipment at an arsenal to observe its operating features with a view of possible utilization in CWS chlorine plants as well as by the domestic chlorine industry in general. This equipment, he indicated, is to be set up at Edgewood arsenal.

General Waitt's statement continued:—

The all-out teamwork that was so manifest in the past crisis should continue into the peace. This can only be accomplished by a strong progressive chemical industry and imaginative and creative civilian groups working closely with the military in the interests of national defense as well as mutual problems.

Sometimes it requires a war to jog us out of our routine so that we can see and explore new horizons. Though war is not the most economic method of developing new ideas and materiel for the benefit of mankind, the stress of it does sharpen inventive genius, prods initiative, and spurs application. For that reason, the great crop of military developments in the conflict just ended should be recognized above and beyond their battle application, and effort bent upon beating our swords into plowshares in the most modern sense. Consequently, it is vital that the chemical industry and the Chemical Warfare Service continue to play ball!

Sillimanite from S.C. and Ga. Proved by Bureau of Mines

OPD Washington Bureau

South Carolina sillimanite, according to laboratory and pilot-plant tests reported by Dr. R. R. Sayers, director of the Bureau of Mines, can be treated successfully by recognized mineral-dressing methods, and the concentrate material can be made into superior refractory and ceramic products. Further tests are in progress on sillimanite from Georgia, and preliminary results indicate that this material is even better from the standpoint of size.

Containing the greatest known reserve of minable and millable sillimanite in the United States, the thick deposits recently mapped by the Bureau of Mines extend from a point near Talbottom, Ga., to the vicinity of Spartanburg, S. C., comprising a belt 30 miles wide and 250 miles long. Roughly parallel, the twenty separate bodies of sillimanite schist range up to 200 feet in width and 40 miles or more in length.

In McK&R Post

Leonard Stievater, jr., has been appointed technical director of the industrial chemicals division of McKesson & Robbins, Inc. Mr. Stievater was formerly technical adviser to the general sales division of Merck & Co., and assistant to the director of research of the J. T. Baker Chemical Company, Phillipsburg, N. J.

Koppers Negotiating to Buy Wailes-Dove-Hermiston

Tar and chemical division of the Koppers Company, Pittsburgh, is negotiating for the acquisition of all the capital stock of Wailes-Dove-Hermiston Corporation, Westfield, N. J., of bituminous protective coatings, in exchange for 15,500 shares of Koppers common stock and payment of $100,000 cash.

Pittsberg Chemical Names Swain to Post

Pittsberg Chemical Company, Los Angeles, Calif., has named A. F. Swain manager of its insecticide and fumigation department. Mr. Swain was formerly associated with the Office of the Quartermaster General in the Research and Development Branch, Washington, D. C.

Columbia Names Sales Head

Robert M. Noeldechen has been appointed director of sales for the Columbia Can Company, Long Island City. The company manufactures plain or lithographed cans and metal specialties.

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Sulphaiodines Discussed

—Continued from page 3

The status of tyrothricin in relation to other antibacterial agents was reported by Dr. John Henderson, director of Clinical Research of Johnson & Johnson, New Brunswick, N. J.

Dr. Charles W. Mushett of the Merck Institute for Therapeutic Research, Rahway, N. J., in a paper on streptomycin, stressed the fact that results so far are largely based on laboratory experiments with isolated bacteria and infected laboratory animals. Clinical tests on humans are still relatively few in number.

Materials Outlook

A rapid abandonment of substitute materials and a return to prewar formulations as crude materials become more freely available, was reported by Dr. Edward C. Merrill, assistant vice-president of the United-Rexall Drug Company, Boston. Dr. Merrill also found, however, that the trend toward the substitution of definite synthetic chemical substances with known therapeutic effect, well under way before war shortages appeared, not only continued during the war but was even accelerated by it.

Dr. Merrill noted the increased attention being paid to elimination of insects as potential carriers of disease in preventive medicine. He also remarked that the momentum behind research has been intensified rather than decreased since victory, as can be seen, he said, in daily announcements of enlarged staffs of researchers in industrial laboratories and elsewhere.

U.S.P. and N.F. Explained

Reasons for the existence of two official books of drug standards in the United States were explained by Justin L. Powers, chairman of the Committee on National Formulary of the American Pharmaceutical Association, Washington, D. C. Briefly, he said, admissions to the U. S. Pharmacopoeia are on the basis of therapeutic merit, while admissions to the National Formulary are on the basis of extent of use.

The importance to the drug manufacturer of government control of food and drugs was discussed by William W. Hosler, vice-president in charge of production and laboratories for Strong, Cobb & Co. of Cleveland.

Some of the problems of maintaining strains of bacteria of uniform resistance for testing the potency of antiseptics were clarified by Dr. George F. Reddish, director of Bacteriological Research for the Lambert Pharmacal Company, St. Louis. Dr. Reddish reported that Klarman's semi-synthetic medium for growing test bacteria is as satisfactory as the Food and Drug Administration broth, but found that Wolf's all-synthetic medium weakened the test organism.

Mosses and Lichens

The importance of mosses and lichens to the laboratory was noted by William S. Finkensieper, of Peek & Velsor, Inc., New York, who also recounted some of the ancients' fanciful folklore connected with these interesting samples of minute plant life.

Methods of maintaining insect and rodent control were outlined in a paper presented by John M. Snyder, partner of Snyder & Snyder, consultants on formulas, labels and advertising, Washington, D. C. A detailed description of the rodents and insects posing the biggest problems in drug manufacture, was followed by an explanation of the various methods of building, the use of insecticides and rodenticides, and indications for fumigating, trapping and poisoning.

British Pharmacopoeia

A description of the new products in the British Pharmacopoeia, Seventh Addendum, published in 1945, was contributed by Louis M. Roeg of Merck & Co., Inc., Rahway, N. J.

Dr. James C. Munch of the Munch Laboratories, Upper Darby, Penna., explained a modification of the usual method for calculating standard error in determining median lethal doses. Dr. I. W. Grote of the Chattanooga Medicine Company, Chattanooga, Tenn,. cited a number of examples and theoretical considerations illustrating conclusions concerning the relationship between the preservative action of alcohol and the solid content of medicinal preparations.

Gets Lever Bros. Post

Charles Luckman has been appointed executive vice-president of the Lever Brothers Company, effective January 1. He was formerly president of the company's Pepsodent division.

McK.& R. Appoints Four to Branch Posts

McKesson & Robbins, Inc., has appointed Harold J. Doyle as manager of the Reno division; H. T. French as Western district manager of the animal and plant health department, San Francisco; E. S. O'Neal as merchandising manager, Duff division, Chattanooga; Harry Dobrin as merchandising manager, Newark, (N.J) division.

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California Borate Land Title Case Settled

OPD Washington Bureau

As a result of the end of twenty years of litigation, the title of the United States to ten acres of California land with an estimated worth of about $1,000,000 an acre has been established, Secretary of the Interior Harold L. Ickes announced November 28. The great value of the land is due to a deposit of the purest known borate ore, a mineral called kernite. This deposit, located in Kern county and another nearby, are the only known deposits of kernite in the world. The General Land Office has been instructed by Secretary Ickes to take over the land and to make recommendations as to the possible offering of the property for lease.

The United States Borax Company claimed to have located the site, known as the Little Placer, in 1926, and in 1928 applied for a land patent. A contest then developed between that company and the Burnham Chemical Company, which was an applicant for a sodium prospecting permit for the same land. The question involved was whether the Borax Company's claim was valid under the terms of the mineral leasing act then in effect.

Under the terms of the mineral leasing acts the claims could be held valid if it was found that the sodium deposits were not "dissolved in and soluble in water, and accumulated by concentration." The Department of the Interior upheld the claim on March 5, 1933. On July 22, 1935, it was decided that the case should be reopened. As a result of new hearings before the Register and Commissioner of the General Land Office, the Little Placer claim was held invalid. The decision was confirmed by Assistant Secretary Oscar Chapman on April 28, 1944, and a motion for a rehearing was denied on July 31, 1944.

On September 1, 1944, the Borax Company sought an injunction in the U. S. District Court of the District of Columbia restraining the cancellation of the mineral entry and requiring the issuance of a land patent to the company.

Two weeks later Attorney-General instituted criminal and civil anti-trust proceedings against a number of defendants, including the United States Borax Company, alleging that the defendants completely monopolized the world trade in borax and borax products.

Since the suit brought by the Borax Company was still pending and the status of the Little Placer could not therefore be regarded as finally settled, attorneys for the Department of the Interior asked the Department of Justice to include in any proposed decree in the civil anti-trust suit provisions for the dismissal of the Borax Company suit in regard to the Little Placer and for the quitclaiming of the Little Placer to the government.

The Department of Justice successfully insisted on the inclusion of the conditions regarding the Little Placer and these were contained in the consent decree which was entered on August 16, 1945. Since then the United States Borax Company has followed the instructions of the decree and dismissed with prejudice its Little Placer suit and delivered a quitclaim deed.

In addition the decree perpetually enjoins United States Borax Company, the Pacific Coast Borax Company, their subsidiaries, directors, officers, agents, employees, successors, assignees or transferees from ever acquiring any interest in the Little Placer property.

The successful conclusion of this litigation, Secretary Ickes said, not only resulted in the establishment of title in the government to land worth millions of dollars, but it constitutes a substantial contribution by the Department of the Interior to the break-up of a world borax monopoly.

Laurens Glass to Expand

Laurens Glass Works, Laurens, South Carolina, plans to spend $600,000 on a plant expansion program which will get under way in the early Spring.

Mattson Chemical Formed

K. C. Mattson, formerly Los Angeles branch manager for the Griffin Chemical Company, has announced the formation of the Mattson Chemical Company.

The new firm will act as a West coast agent for chemical manufacturers serving the petroleum, soap, detergent, pharmaceutical and food processing industries. Mattson Chemical Company has offices at 124 West Fourth street, Los Angeles 13, California.

Celanese Corp. to Merge Tubize Rayon Corp.

An agreement providing for the merger of the Tubize Rayon Corporation with the Celanese Corporation of America has been signed by the directorates of the companies. A special meeting of stockholders of both firms will be held in January to act on the proposed merger.

Trade Briefs

Pittsburgh Plate Glass Company, of Pittsburgh, has increased the capacity of its Kokomo, Ind., plant, at a cost of $800,000. The plant fabricates store-front metal.

Erlen Soap & Chemical Company plans to erect a new factory and office building on Flower street near Providencia street, Burbank, Calif., to cost $35,000.

Gumption Products, Ltd., New York, has been formed to deal in soaps, cleaning and scouring materials. Attorney for the corporation is Safir & Kahn, 521 Fifth avenue, New York.

George H. Sibley, vice-president, director and general attorney of E. R. Squibb & Sons, New York, has been elected to the board of trustees of American University, Washington, D. C.

Harry Fletcher has been appointed assistant national sales manager for the Whitehall Pharmacal Company, New York. Mr. Fletcher was formerly sales manager for the Anacin Company.

Charles Mann Named To Mann Co. Post

Charles R. Mann has been appointed manager of the Stoneham, Mass., branch of the George Mann & Co., distributor of heavy chemicals, Providence, R. I. Mr. Mann joined the company in 1938 as assistant treasurer after his graduation from Dartmouth College. He has been serving in the army as first lieutenant.

Ferro Drier Names New Orleans Agent

Ferro Drier & Chemical Company, Cleveland, has appointed Lloyd B. Griffith Company, 102 Poydras street, New Orleans, as sales agent for the New Orleans territory.

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New York Imports

ACID, CRESYLIC—108 dms, Lehn & Fink Co
200 dms, American Cyanamid & Chemical Corp
425 dms
SALICYLIC—1 cs, H A Gogarty, Inc
AMMONIA MURIATE—4,033 bgs, Ray-O-Vac Co
477 bgs, Marathon Battery Co
PERSULPHATE—300 kgs, F W Berk & Co
ANTIMONY ORE—1,378 bgs, Watson Geach & Co
1,850 bgs, United States Commercial Co
BABASSU KERNELS—8,334 bgs, 833,400 lbs, General Foods Corp
BARBASCO ROOT—9,119 bls, United States Commercial Co
CASHEW KERNELS—180 cs, 9,000 lbs, Irvington Varnish & Insulator Co
567 cs, 28,350 lbs, General Foods Corp
CASTOR BEANS—19,250 bgs, 2,887,500 lbs, Baker Castor Oil Co
5,947 bgs, 891,950 lbs, Spencer Kellogg & Sons
CELLULOSE ACETATE—1 pkg, Gevaert Co
CERAMIC COLORS—1 ck, B F Drakenfeld & Co
CHALK PRECIPITATED — 930 bgs, H J Baker & Bro
CINCHONA BARK—1,569 bls, United States Commercial Co
CINNAMON QUILLS—374 bls, 37,400 lbs, D Hecht & Co
COCOA BEANS—1,000 bgs, 200,000 lbs, Wood & Selick
500 bgs, 100,000 lbs, Willard Hawes & Co
500 bgs, 100,000 lbs, M Golodetz & Co
500 bgs, 100,000 lbs, Little & Christman
500 bgs, 100,000 lbs, Wessel, Duval & Co
1,000 bgs, 200,000 lbs, Rockwood & Co
1,000 bgs, 200,000 lbs, Kennedy Butcher & Co
500 bgs, 100,000 lbs, Schwarbach & Co
2,000 bgs, 400,000 lbs, Hershey Chocolate Co
2,000 bgs, 400,000 lbs, Nieschlag & Co
1,000 bgs, 200,000 lbs, W R Grace & Co
7,000 bgs, 1,400,000 lbs, A C Israel Commodity Co
2,400 bgs, 480,000 lbs, W Bartholomew & Co
2,200 bgs, 440,000 lbs, General Cocoa Co
7,200 bgs, 1,440,000 lbs, Wessel, Kulenkampf & Co
COCOABUTTER—83 cs, D S Babary Co
COCONUT, GRATED—300 cs, Overseas Food Corp
CORK—169 bgs, Mundet Cork Corp
VIRGIN—1,737 bls, Mundet Cork Corp
WASTE—5,535 bls, Mundet Cork Corp
WOOD—675 bls, Mundet Cork Corp
CREOSOTE—1 cs, H A Gogarty, Inc
CUBE ROOT—163 bls, United States Commercial Co
DIPHENYL CHLORINATED — 1 cs, H A Gogarty, Inc
GUM, LOCUST BEAN—9 bgs, Midland Laboratories
100 bgs, Innis, Speiden & Co
100 bgs, Stein, Hall & Co
TEXTILE—120 cks, J P Marston & Co
GYPSUM ROCK—2,535 tons, United States Gypsum Co
HAIR HORSE—5 cs, Wedeman & Godeucht
30 bgs
HONEY—1,185 bbls, M Golodetz & Co
28 dms, Central Hanover Bank & Trust Co
500 cs
107 dms
ICHTHAMMOL—36 bbls, Chemical Bank & Trust Co
MAGNESIUM CARBONATE—200 bgs, Schofield, Donald Co, Inc
OXIDE—150 bdls, General Cable Corp
100 bgs, General Cable Corp
TRISILICATE—100 cs, Schofield, Donald Co, Inc
MANGROVE BARK — 2,019 bgs, Tannin Product Export Co
6,661 bgs, Barkey Importing Co, Inc
MANIOC STARCH—233,380 lbs, Sino Java Handel
20,534 bgs, 2,874,760 lbs, Morningstar Nicol, Inc
8,333 bgs, 1,166,620 lbs, Stein, Hall & Co
1,866 bgs, 261,240 lbs, Java American Export Co
MEDICINAL PREPS—6 cs, D C Andrews & Co
METACRESOL—20 dms, H A Gogarty, Inc
MICA SPLITTINGS — 2,000 cs, United States Commercial Co
MYROBALANS, CRUSHED—933 bgs, Barkey Importing Co, Inc.
WHOLE—413 bgs, Barkey Importing Co, Inc
OIL, CASTOR—251 dms, Bate & Robinson, Ltd
498 dms, Baker Castor Oil Co
103 dms, Murray Oil Products Co
CINNAMON BARK—1 cs, Geo Lueders & Co
COD—80 dms, Scandinavian Oil Co
50 dms, Atlas Refining Co
26 cks, F W Damon
20 dms, F W Damon
CODLIVER—239 bbls, Whitmeyer Laboratories
33 trcs, Whitmeyer Laboratories
COTTONSEED — 554 dms, United States Commercial Co
ESSENTIAL—10 cs, Citrus & Allied Essential Oil Co
3 cs, Van Dyk & Co
OITICICA—8 dms, Enco Chemical Corp
124 dms, Lenape Trading Co
128 dms, W R Grace & Co
754 dms, L N Jackson & Co
250 dms, Murray Oil Product Co
145 dms, Brown Linseed Corp
VARNISH—78 cs, Pomeroy & Fischer
PAPAIN—14 cs, R J Prentiss & Co
4 cs, Peek & Veisor
POTASH PERCHLORATE — 100 dms, First National Bank of Boston
PYRETHRUM FLOWERS—1,424 bls, United States Commercial Co
ROOT, MEDICINAL—13 bls, Parke, Davis & Co
SHELLAC—150 bgs, Wm Zinsser & Co
250 bgs, Mac Lac Co
800 bgs, Gillespie-Rogers-Pyatt Co
400 bgs, E Meer & Co
232 bgs, Wm Diehl & Co
775 bgs
SEEDLAC—268 bgs, Wm Diehl & Co
500 bgs
SILVER SULPHIDES — 95 bgs, Watson Geach & Co
SOOT—112 bgs, H F Mitchell Co
SPONGES—9 bls, United States Commercial Co
SULPHUR, PRECIPITATED — 67 cs, New York Quinine & Chemical Works
TAPIOCA FLOUR — 900 bgs, 126,900 lbs, United States Commercial Co
8,539 bgs, 1,195,460 lbs, Morningstar, Nicol, Inc
2,160 bgs, 302,400 lbs, Stein, Hall & Co
WAX, BEES—143 bgs, W R Grace & Co
40 bgs, Machado & Co
114 serroons, Julio Marichal
32 bgs, L Luzzatto Co
CARNAUBA—100 bgs, Strahl & Pitsch
80 bgs, Baird Rubber & Trading Co
75 bgs, Ultra Chemical Works
166 bgs, Davies Irwin, Ltd
55 bgs, Wm M Allison & Co
112 bgs, American Cyanamid & Chemical Corp
215 bgs, Philadelphia National Bank
302 bgs, W R Grace & Co
244 bgs, Wessel Duval & Co
112 bgs, Lenape Trading Co
75 bgs, Bank of the Manhattan Co
99 bgs, Wm Diehl & Co
125 bgs, Cornelius Product Co
168 bgs, Fred Henjes, Jr
100 bgs, Philadelphia National Bank
167 bgs, Strahl & Pitsch
85 bgs, Oil Specialties & Refg Co
60 bgs, Hilton Davis Chemical Co
193 bgs D C Andrews & Co
OURICURY—112 bgs, Mercantile Metal Ore Corp
60 bgs, Baird Rubber Trading Co
VEGETABLE—70 bgs, Paul & Stein Bros
WOOL GREASE—300 dms, Faesy & Bestoff, Inc
ZINC, PEROXIDE—60 kgs, F W Berk & Co

Hagan Corp. to Aid Night School Students

Hagan Corporation, Pittsburgh, and its subsidiaries, Hall Laboratories and Calgon, Inc., has announced a broad-gauge plan to back members of their staff in getting college educations in night school which will serve to upgrade them in their work with the three companies. The companies will pay half the tuition and fees for any course the individual enters, and on attainment of a degree, will pay the other half, according to Dr. Everett P. Partridge, selected by J. M. Hopwood, president of the corporation, to supervise the plan.

Standard Chemical Buys Dalglish

Standard Chemical Company, Ltd., has acquired all the capital stock of the Dalglish (Ontario) Ltd. and Dalglish (Quebec) Ltd.

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VAN CAMP LABORATORIES, Terminal Island, California

Agricultural Chemicals

Buying interest is expanding in the market for basic fertilizer products. Demand has broadened for both home and export requirements while actual business has been restricted by the scarcity of available stocks. Production has been somewhat better in sulphate of ammonia and in packinghouse byproducts, but the active extent of consuming demand has prevented any easement in the market supply position. The sold ahead condition of muriate of potash has kept producers busy and the shortage of resale material has checked new buying. In the Baltimore area, demand for superphosphate seems to have topped current output which is not at capacity. because of limited manpower. Reports were also heard from this section that phosphate rock shipments had not attained the expected average on account of the heavy export movement. The supply of nitrate of soda is meeting the present demand without difficulty.

Sales at ceiling prices were reported in dried blood and tankage. Inquiry covered both feed and fertilizer with a generous call for export. No castor pomace or hoof meal was offered. In the insecticides, DDT continued to command active buying interest with several producers sold well into the first quarter of 1946. Domestic output not only has to supply the large civilian demand in this country, but practically all of the world except Europe which is obtaining required quantities from England and Switzerland. It looks as though a lot of this material will be used in domestic agriculture next year.

Nitrogenates

Ammonia Sulphate—While production has increased to the level recorded late in September, demand for agricultural use is running in excess of this level. Current output is being maintained at well over 20,000,000 pounds a week. Deliveries are behind contract schedules and there was practically no resale material available.

Bone Meal—So far, there has been no reflection of increased packinghouse production in this market. All grades remained definitely short with feeders substituting other phosphates to meet requirements.

Castor Pomace — Production has been taken readily on outstanding contracts and the movement from crushers was below contract requirements. Arrivals of castor beans during the week exceeded 25,000 bags.

Dried Blood—Some improvement in production was reported and distribution was of better dimensions. Demand for both feed and fertilizer was too active to loosen the market's tight position.

Hoof Meal—Absence of available material prevented trading. Inquiry continued active.

Soda Nitrate—Buying interest has shown some improvement for agriculture. Farmers are taking on nitrate for future use. Supply at present is meeting demand promptly.

Tankage—Showed the same improvement in distribution as dried blood. Production remained inadequate to meet the current extent of consuming demand, but output showed expansion.

Phosphates

Phosphate Rock—Shortage of manpower at mines, combined with a heavy demand for home and export, has created a tight market for phosphate rock. Some of the acidulators are complaining that deliveries of rock are running below previous expectations. The continued active call for superphosphate has greatly increased the pressure for rock shipments.

Superphosphate — No relaxation in the extent of consumer interest could be noted for superphosphate. Demand appears to be exceeding the available supply for mixing requirements, and an active export demand has contributed additional pressure upon output. Tripple stocks are reported to be considerably below the requirements of consumers at the present time. Manpower shortage at important producing points has kept output well below capacity.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
71.8	71.8	71.8	71.8

For Current Prices see page 9.

Potashes

Boxcar shortage has continued to aggravate the movement from mines, and shipments to fertilizer mixers have been somewhat behind scheduled requirements. There seems to be little prospect for improvement until the grain crop has been moved to the granaries. Meanwhile, demand has increased for both home and export, with the market at present practically bare of resale material.

Markets at Other Centers

Atlanta, Nov. 30.—The fertilizer trade is as anxious as ever to acquire oil seed meals, but no recent sales of prime material have been reported. Recently they have managed to acquire a few cars of off-grade, black in color, cottonseed meal for which they paid the full ceiling. Due to field damaged seed there is some production of off-colored meal, but nearly all of this is being fed unless it is totally inedible.

Baltimore, Nov. 30.—Demand for fertilizer materials continues active with supply of some stocks getting worse. Menhaden fishing started the week favorably, but the inclement weather hindered late operations. Shipments of scrap to Middlewest continue. Superphosphate supply short with phosphate rock deliveries off.

Chicago, Dec. 7. — Representative grades of nitrogenous fertilizer materials continued in active demand. Buying interest has shown a tendency to increase while offerings generally have been limited. Prices are firm at the following levels:—Dried blood—Principal grade, $5.53 per unit of ammonia. Tankage—Feeding grade, $5.53 per unit; hoof meal, $4.25 to $4.50; liquid stick, tankcar, $2.65 to $2.70. Bone materials—Ground, steam bone meal, 3 and 50 percent, $35 to $36 per ton; cattle jaws, skulls and knuckles, $44 to $45; dry, rendered tankage, hard pressed, $1.25; 50 percent meat and bone scrap, $68 to $70.

Los Angeles, Dec. 7.—Demand has continued active with shortage of stocks restricting market activity. Tight labor situation having a restricting influence on supply situation. Ruling prices are:—Ammonia nitrate—$65 per ton with freight allowances up to $4.40 per ton from production plant. Ammonia phosphate—$48 per ton for 16/20 grade and $57 for 11/48 delivered at production plant. Ammonia sulphate—$38 per ton with freight allowances up to $4.40 per ton from California plant. Canadian material on same basis. Blood meal—$4.53 per unit of ammonia, f.o.b. this city, plus $6.50 per ton grinding cost, plus bags. Bone meal—$45 to $48.50 for steamed variety. Fish meal—$77.50 per ton in cars for 67 percent protein California sardine meal, f.o.b. production plant, plus $2 merchandising.

Insecticides

Although the Department of Commerce places current production of DDT at 2,750,000 pounds a month, there are civilian authorities who give a lesser amount as their opinion and state a little over 2,000,000 pounds is now being made. There is an active demand for material covering household requirements in spray and powdered.

There is also a broad inquiry for use in paint, moth-proof and public projects. It is expected that the call for use on potatoes and smooth skin fruits will expand sharply after the turn of the year. Production in most instances is heavily sold ahead at the present time.

Pyrethrum supply is not a problem at present. The market has steadily improved its position with stocks available for prompt shipment.

Brazil's exports of pyrethrum flowers to Argentina in 1944 amounted to 50,000 kilograms, valued at 485,427 cruzeiros (approximately $29,420), according to official Brazilian customs statistics. None of this material was exported to Argentina in the first half of 1945.

At a testimonial dinner given by the New York Pest Control Association last Monday night, the chairman of festivities remarked that "when things are lousy, business is good."

Department of Agriculture purchased 60,000 gallons of Summer oil spray—medium in drums at .365c. per gallon, New York, on November 13.

Sulphur and Pyrites

Production of native sulphur continued high in September but the mine shipments were the lowest since December, 1944, according to the Bureau of Mines. As compared with September, 1944, production and apparent sales were respectively 16 and 18 percent greater but shipments were down 22 percent. Following the trend begun in early 1943, producers' stocks dwindled farther in September, and stock reduction for the first nine months of 1945 amounted to 417,809 long tons, compared with a depletion of 321,245 tons for the same period of 1944. There was no feature of new importance in Spanish pyrites.

Potash Production Deliveries for 3 Months

The total potash delivered in the United States, Canada, Cuba, Puerto Rico and Hawaii during the third quarter of 1945 by the five major American producing companies amounted to 365,530 short tons of potash salts containing an equivalent of 202,091 tons K_2O, according to the American Potash Institute. Agricultural deliveries amounted to 333,109 tons of salts, equivalent to 181,864 tons K_2O, comprised of 270,642 tons muriate of potash, 20,229 tons of manure salts and 42,238 tons of sulphate of potash and sulphate of potash-magnesia. Deliveries to the chemical industry amounted to 32,421 tons of muriate of potash and sulphate of potash, equivalent to 20,227 tons K_2O.

Murph of NFA Injured

D. S. Murph, executive secretary and treasurer of the National Fertilizer Association, Washington, was injured November 29 when a motorist backed a car along the sidewalk at a parking lot. He sustained a fracture of the right leg and was laid up in Doctors Hospital.

Rotenone Imports To Return to Trade

OPD Washington Bureau

The public purchase program for the importation of rotenone and rotenone-bearing materials will be terminated March 31, 1946, and the trade restored to private importers, the Civilian Production Administration announced December 5.

The return of importation of rotenone to private trade, official's said, is in accord with the CPA policy of terminating government purchasing as soon as possible without jeopardizing the supply of materials essential to the civilian economy.

The public purchase of rotenone was instituted during the war to insure maximum supplies from the Western Hemisphere, following loss of the Far Eastern sources. Under the program, imports of rotenone have increased steadily each year from the main Western Hemisphere source, Peru.

Sulphur

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Semi-refined Roll "Cone" Sulphur
Lightnin Brand Dusting Sulphur
Magnolia Brand Conditioned Dusting Sulphur
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Large stocks carried at all times, permitting prompt shipments . . . Uniformly high purity of 99½% or better . . . Free of arsenic, selenium and tellurium.
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For Late Market Developments, See Page 4

BARRETT

CHEMICALS

FOR INDUSTRY

For your convenience The Barrett Division, Allied Chemical & Dye Corporation, announces the following Coal-tar Acid Oil prices for the first quarter 1946:

GRADE	TANK CARS	CARLOADS RETURNABLE DRUMS	LESS CARLOAD RETURNABLE DRUMS
10-13%	21½¢ gal.	24½¢ gal.	26½¢ gal.
15-18%	23½¢	26½¢	28½¢
19-22%	25¢	28¢	30¢
25-28%	27¢	30¢	32¢
30-33%	29¢	32¢	34¢
35-38%	31¢	34¢	36¢
38-41%	34¢	37¢	39¢
50-53%	39¢	42¢	44¢

F.O.B. Frankford, Philadelphia, Pa., freight equalized with Chicago, Ill.; Indianapolis, Ind.; Cleveland, Ohio; Follansbee, W. Va.; Newark, N. J.; Pittsburgh, Pa.; and St. Louis, Mo.

Packages—Returnable drums returnable at Buyer's expense. Steel barrels optional at extra charge 5¢ gal.

Terms—Net cash thirty days from date of invoice.

Contracts bearing quarterly price revision clause are offered for the period terminating December 31, 1946.

*Trade-mark Reg. U.S. Pat. Off.

THE BARRETT DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 RECTOR STREET, NEW YORK 6, N. Y.
ROOFINGS • TARVIA* • CHEMICALS

Barrett

AMERICA'S LEADING MANUFACTURER OF COAL-TAR PRODUCTS

Coaltar Chemicals

Available stocks of crude naphthalene showed evidence of an appreciable shrinkage during the past week under the maintenance of a heavy demand for phthalic anhydride. Toluol stocks remained liberal and in dual contrast to the short supply of xylol where lacquer manufacturers have drawn upon production at a lively rate. Plastics have taken a lot of phenol, but there was enough synthetic to go around although the natural variety remained scarce. There was no unusual activity in pyridine or the picolines, the latter having lost their attraction as suitable substitutes since the war ended. A strong demand for home and export featured benzol and a heavy demand, which was unsatisfied, was noted in cresylic acid. The tar acid oils and creosote oil commanded active buying interest, the latter continuing in short supply through the constant drain of output for wood processing requirements. In general production has shown a slow but persistent increase. The present average is about on a par with the last week in September after establishing a low record for the year at the end of October.

Several of the intermediates are leaning toward improvement in distribution under the reconversion program. In most instances backlog orders have prevented the supply situation from becoming free, but the trend is toward betterment. Such products as diphenyl, dimethylanilin and orthodichlorobenzene are making their appearance on the market in a limited way. Phthalic anhydride has continued to move freely and so has anilin oil.

Steel operations for the week beginning December 3 were scheduled at 82.8 percent of ingot capacity, compared with 83.5 percent in the previous week, according to the American Iron and Steel Institute. A month ago the indicated rate was 77 percent. The present schedule is equivalent to the production of 1,516,600 net tons of ingots and castings, compared with 1,529,400 tons in the preceding week and 1,727,000 net tons in the corresponding week in 1944.

London, Dec. 3 (Comtelburo)—United States exporters are now competing in the sales of benzol, toluol, and xylol in the hitherto unknown United Kingdom markets.

Basic Products

Benzol—Buying interest remained active for benzol, inquiries covering requirements for both home and export. The supply position has been capable of meeting demand without difficulty. Prompt shipments were available at the close of the week.

Creosote Oil—Wood-processing industry has continued to draw freely from production and the supply position has shown no evidence of easement to date. Stocks of refined are expected to improve from now on as stocks are built up in the Winter for delivery later in the year. This grade, however, is comparatively small compared with the crude variety.

Cresylic Acid—Shortage of this product has not been relieved. Consuming demand continued active for both domestic and imported and somewhat above the supply level. Importations of 733 drums were noted last week with reports current that more is on the way.

Naphthalene—Signs of a tightening in the supply of crude were noted during the past week. Some suppliers seemed to be experiencing difficulty in meeting their contract specifications for phthalic anhydride. Refined remained definitely short for household requirements of both balls and flakes.

Phenol—Found a steady outlet for use in plastics, chemicals, pharmaceuticals and other industries. Production has kept the supply of synthetic fairly free but stocks of natural remained scarce.

Picolines—Stocks of both alpha and beta were in fairly liberal supply. Demand was rather quiet with odd lot transactions featuring the market. During the war these materials found an outlet as a substitute for certain products that were in short supply, it was stated.

Tar Acid Oils—Demand continued strong enough to keep stocks down in the different grades and also hold the price tendency firm.

Toluol—No shortage of supplies in this basic product. There are stock accumulations which current demand is unable to absorb readily. Government-held material has been somewhat reduced.

Xylol—Held a relatively tight position under a steady demand from the lacquer industry. Production of this material is much smaller than many of the other by-products from coke.

Chicago, Dec. 7.—Interest continued to assert itself briskly in the coaltar bases market, with material tightly held in most cases. Movement of stock on order was at a substantial rate. Benzol was quiet but firm. Ruling prices exclusive of tax were:—Benzol, pure, in tankcars, freight allowed, 15c. per gallon; 2-degree toluol, same basis, 27c.; industrial xylol, same basis, 26c.; 10-degree xylol, same basis, 30c.; solvent naphtha, same basis, 27c.; creosote oil, grade 1, 15½c.

Hydrogenated Solvents

Activity did not exceed moderate dimensions last week. Cyclohexanol is going into the manufacture of cyclohexanone and stock left over has found use in solvents and cleansers. Neoprene cement has kept an outlet open for cyclohexane. All these solvents were available for prompt shipment.

Coaltar Acids

Anthranilic—Production has not been sufficient to ease this market from its tight position. Demand for the manufacture of dyestuffs and intermediates was reported active.

Broenner's—Not much stock available. Regular consumers are taking enough material to keep the supply short for additional requirements.

Fumaric—Current production has not been able to meet the demand to date. Makers of synthetic resins and protective coatings need a lot more of this acid to cover wants.

H—Supply being gradually replenished after recent export movement. Requirements of regular consumers have been satisfied.

Maleic—Continues to show a definitely low inventory position with current output insufficient to meet demand for protective coatings and synthetic resins.

Salicylic Technical—Seemed to show improvement in supply since a week ago, but not plentiful. Market being brought to a better balanced position.

Other Intermediates

Anilin—Better production is finding a broader outlet. Manpower shortage at present has placed a limit on productive capacity and the supply position continued relatively tight. It looked as though backlog orders would absorb output for some period of time.

Diphenyl—Some of this material was available, but no sizable stocks are held at present. It is expected the market's position will improve after the turn of the year.

Monochlorobenzene—Supply situation has improved under freer stocks of the basic product. Manufacturers of dyes and intermediates as well as solvents are receiving fairly prompt shipments.

Orthodichlorobenzene—Continued in rather limited supply for prompt, although regular consumers seem to be able to cover requirements.

Paradichlorobenzene—Backlog orders are taking all of this material

For Late Market Developments, See Page 4

Market Trends

Prices Advanced
None

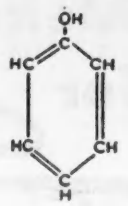
Prices Reduced
None

Comparative Price Indexes
(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
127.3	127.3	127.3	129.2

For Current Prices see page 9.

KOPPERS



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that can be produced and until these requirements are satisfied a tight market situation may be expected.

Phthalic Anhydride—This market has kept in balance so far regardless of a heavy output. Steady shipments mostly for synthetic resin manufacture have prevented burdensome accumulations. There is also a good demand for use in esters and dyestuffs.

Coaltar Colors

Production has been pushed to meet demand in some directions and suppliers have experienced difficulty in meeting demand. According to trade reports, buyers who have been operating on a month to month basis are endeavoring to secure deliveries for two and three months ahead. It was stated that current production cannot cover dyestuff requirements at so fast a pace. Demand was diversified with the vats commanding the most attention.

Pittsburgh Plate Glass Plans To Acquire M.B. Suydam Co.

Plans to acquire all the voting stock of the M. D. Suydam Company, paint and varnish manufacturer, have been completed by the Pittsburgh Plate Glass Company. The transaction probably will be consummated about January 1, 1946. The acquired company will operate as the M. B. Suydam Division of the Pittsburgh Plate Glass Company. R. S. Suydam, president of the M. B. Suydam Company, and his associates will continue in their present capacities, according to Mr. Higgins' announcement.

Canadian Plastics Advisory Group Dissolved

Canadian advisory committees on plastics and dyes are being dissolved. Products on which controls have been removed include acetylene black, phenol, and vinyl polymers.

Smead & Small Adds to Staff

C. J. Perrier has joined Smead & Small, Inc., dealer in raw materials and chemicals, Cleveland, Ohio. Mr. Perrier has served the government as deputy director and later as regional director of Smaller War Plants Corporation. He will establish a new department with Smead & Small, Inc., handling stampings, castings and electric motors.

NWLB Strike Elections End Asked

OPD Washington Bureau

The right of labor unions to hold strike elections under the Smith-Connally act would be terminated under the provisions of a rider voted by a Congressional committee last week. The action was taken by the House Appropriations Committee in recommending a $1,131,552,312 deficiency appropriation for federal agencies during the fiscal year ending next June 30—a slash of $576,142,136 from the original Budget Bureau request.

The committee attached to the legislation a rider prohibiting the National Labor Relations Board from using funds to conduct the strike elections authorized by the Smith-Connally act. The rider, offered by Rep. Everett M. Dirksen (Ill.), reportedly had the unanimous approval of a deficiency subcommittee.

Golden Gate Paint Technicians Elect Officers

William Benson, of the R. N. Nason Company, has been elected president of the Golden Gate Paint and Varnish Production Club. Other officers elected were:—Vice-president, C. E. Campbell, of the National Lead Company; treasurer, F. A. Leibold, of the Sherwin-Williams Company; secretary, R. W. Hammond, of the Sherwin-Williams Company.

Johns-Manville Names Production Manager

Alexander Cromwell has been appointed production manager of all fourteen factories of Johns-Manville Corporation in the United States. Mr. Cromwell, who has been vice-president of the company since 1937, formerly supervised production at the Kansas ordnance plant.

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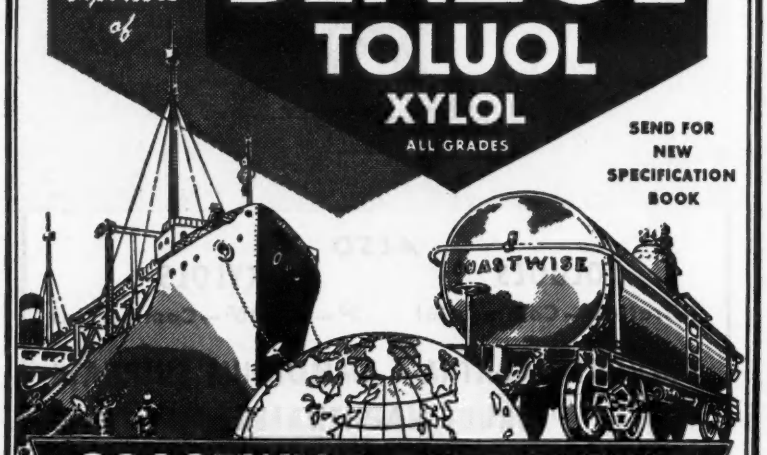

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German Pharmacal Data Cataloged for ADMA

OPD Washington Bureau

Abstract cards describing briefly the contents of the various reports made by the medical committee of the Technical Industrial Intelligence Committee on developments and new processes of the German pharmaceutical and related industries were forwarded this week to members of the American Drug Manufacturers Association by Carson P. Frailey, executive vice-president.

Under an arrangement with the Publications Board of the Department of Commerce, Mr. Frailey has been supplied with a large number of the abstract cards for circulation among members of the drug trade and others interested. The cards give a brief account of the highlights of the reports, from which it can be readily ascertained whether the full report might be desired. The cards are arranged by subject matter, give the number of pages in the full report, and the price at which it can be purchased from the Publications Board.

Those being mailed by Mr. Frailey cover, not only drugs and pharmaceuticals, but also contain abstracts on such products as insecticides and rodenticides and also get into the field of breathing apparatus.

Arden Demonstrator Pay Decision Is Upheld

OPD Washington Bureau

A decision of the United States Court of Appeals for the Eighth Circuit holding the Elizabeth Arden Sales Corporation in violation of the Robinson-Patman act provisions of the Clayton act and subject to triple damages was allowed to stand December 3 by the Supreme Court of the United States when it refused a petition of the company for a review of the ruling.

The company had been found in violation of the act in connection with the use of demonstrators in stores in Little Rock, Ark. The Gus Blass Company was upheld by the circuit court in its complaint that the company violated the law in refusing to pay more than half of the salary of the demonstrator in its store while paying the full salary of the demonstrator in the store of its competitor. The company sought to uphold the salary arrangement on the grounds that it was related to the volume of the Arden merchandise sold and that "proportionate equality" had been achieved. The circuit court, however, refused to accept the argument that, although "proportionate equality" had been achieved, the Blass company had not been discriminated against.

Trade Briefs

Standard Oil Company of Ohio has acquired the Margay Oil Corporation, Tulsa, Okla.

R. W. Stetson, Maritime Service engineering officer just released after service since Pearl Harbor, has joined Bri-Test Products Corporation, Newark, N. J., as plant manager.

Charles S. Cheston, formerly a partner in Smith, Barney & Co., investment bankers, Philadelphia, has been elected a director of the Monsanto Chemical Company, St. Louis.

Multicore Sales Corporation, New York, has been formed to deal in minerals, ores and metals. Attorney for the corporation is Safir & Kahn, 521 Fifth avenue, New York.

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Textile and Leather Chemicals

Tight supply situation in sizing materials was improved to some extent by the steady increase in the production of corn dextrin and starch and potato starch during the week. A sustained movement of corn to mills against contracts enabled processor's to operate at capacity and thereby improve deliveries on contracts which still are several months behind schedules. Production of potato starch also has been moving at a good pace, especially in Idaho, where plants were operated at capacity, and in Maine at slightly above 50 percent. Imports of 44,000 bags of tapioca flour from Brazil during the week replenished consumers inventories and helped to relieve, temporarily, the scarcity of supplies. These arrivals were consigned against former contracts and little, if any, were available for resale.

Trading in tanstuffs continued limited to an occasional transaction for prompt delivery. Tanners were showing little interest in requirements for the first quarter of next year, having large inventories which were expected to cover requirements during this period. Primary markets, however, were reported firm and though materials were fairly liberal, sellers showed no disposition to shade quotations.

World wool production in 1945 is estimated at 3,760,000,000 pounds, according to preliminary figures, a decrease of 5 percent, compared with 1944 and about 12 percent less than the record output in 1941, according to the Department of Agriculture. Production in the Southern Hemisphere, exclusive of the Soviet Union and China, totaled 2,200,000 pounds in 1945, a decline of 5 percent compared with 1944, and in the Northern Hemisphere 1,200,000 pounds, 7 percent less than the prewar average. In North Africa the output in 1944 was larger than the prewar average, but a decrease is indicated in 1945.

Chemicals

Alumina Acetate—Supply situation has become easier owing to the cancellation of war contracts. Prices, however, were unchanged. Trading was reported quiet.

Bichromates—Demand against former orders continued active. Market was firm with production sold up. Interest was keen for next year requirements and business was booked at ceilings.

Potash Prussiate—Market was steady. Trading was light though deliveries on previous contracts were in good request. Quotations were well maintained.

Soda Acetate—Trading was reported fairly active for prompt delivery. Market was firm at former levels.

Soda Hydrosulphite — Consumers placed orders for 1946 requirements at current quotations. Demand was fairly active for delivery against former orders. Prices were well held.

Sulphonated Oils—Trading was moderate for prompt delivery. Supplies were limited and reflected the tightness in oils and fats. Prices were well maintained at current levels.

Dyestuffs

Annatto—Although trading was quiet, the market was steady and reflected the higher cost of replacements. Small lots were quoted at former levels.

Cochineal—Supplies on the spot were limited and holders advanced quotations for both grades. Market was firm and replacements were well held at advanced levels. Gray was quoted at 46c. to 47c. and gray Teneriffe at 47c. to 48c. per pound, on the spot, according to quantity.

Sizing Materials

Albumen Blood—Demand was confined to immediate needs during the week. Supplies were adequate to cover requirements. Prices were unchanged and steady. Dried soluble blood was in fair request and unchanged.

Albumen Egg—Trading was reported as fair and mainly for small lots. Export demand has broadened and occasional sales were noted for shipment. Supplies were not heavy, although adequate to meet current demand. Prices were steady at the recent boost of ceilings. The quantity of liquid egg produced during October was the smallest since October, 1940, the Bureau of Agricultural Economics reported. Output was estimated at 9,282,000 pounds compared with 70,574,000 pounds in October last year. Only 345,000 pounds of dried egg were produced during October compared with 23,947,000 pounds in October last year. With the reduction in war demands, the production of dried egg is rapidly approaching the pre-war level. Output during October consisted of 116,000 pounds of whole egg, 59,000 pounds of albumen and 170,000 pounds of yolk.

Dextrin Corn—Moderate, but steady improvement was reported in deliveries against former contracts. Production continued to improve as the result of a steady movement of corn to mills. Prices were firm.

Egg Yolk—Scarcity of supplies restricted trading to small lots. Demand exceeded supplies and the market was strong at recently advanced ceilings. Production of egg yolk totaled 170,000 pounds during October compared with 201,000 pounds for the same month last year.

Starch Corn—Steady improvement in the production continued during the week. Corn receipts at mills were liberal, which enabled processors to operate close to capacity. Deliveries against orders also were increased, though still far below behind schedules. Demand was urgent. Visible corn supply increased 1,095,000 bushels for the week ended December 1 to 7,224,000 bushels compared with 14,439,000 bushels a year ago. Purchases of cornstarch totaled 73,208,570 pounds during the first seven months of 1945, were reported by the Department of Agriculture.

Starch Potato—Under an urgent demand for prompt and forward delivery, the market continued firm. Production was reported sold up at ceilings. Offerings were light.

Tapioca Flour—Arrivals totaled 44,000 bags at New York during the week, for consignment against former orders. Supplies in Brazil were reported scarce and offerings were practically nil.

Tanning Materials

Chestnut Extract—Supplies were reported limited and well held at ceilings. Trading was confined to actual needs. Deliveries against contracts were in good request.

Divi-Divi—Business was light and spotty. Offerings were fairly liberal and well held. Inquiry for future replacements continued quiet.

Hematine Extract—Market remains steady, though demand was confined to withdrawals against former orders. Prices were maintained at ceilings.

Mangrove Bark—Arrivals were reported at 8,865 bags at New York during the week for delivery against recent contracts. Offerings for shipment were maintained at current levels.

Quebracho Extract—Consuming inquiry was centered in requirements for next year and trading has been active at ceilings. Market was firm. Recent arrivals have increased tanners' inventories to cover prompt and nearby needs.

Valonia—Offers of beards were noted at $100, per ton, ex-dock New York for shipment from Turkey, which was the lowest figure heard in some time. This price was considered too high and attracted little attention from tanners.

Market Trends

Prices Advanced

Albumen egg, 3c. per lb.
Cochineal, 9c. per lb.
Egg yolk, 1c. per lb.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
305.5	303.0	303.0	283.2

For Current Prices see page 9.

For Late Market Developments, See Page 4

ALBUMENS

OPD—12-10-1945 55

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Drugs and Fine Chemicals

Announcement of sugar allocations for the first quarter of 1946 and the decision to halt all alcohol production for use in making butadiene were last week developments influential on the future of the drug and fine chemical market. Reports indicated that supplies of penicillin had increased some, but also suggested that the situation will probably require continuation of export control through license for some time to come. Menthol prices worked no higher, but the market displayed signs of hardening at levels reached during the previous week. Quicksilver was in low supply and held very firm in price. The future of quinine supplies was tied tightly to the civil war that resumed violent characteristics in Java. Glycerin was scarce and strong to an extent rarely exceeded during the war period. Higher prices for strychnine still remained to be announced, but signs suggested announcement soon after the turn of the year.

In connection with alcohol, it was learned that if the President by the end of this year announces that the emergency has ended, then, on July 1, the internal revenue tax will revert to the 1942 rate of $6 per proof gallon. Of late, there had been talk about a change being made now in the revenue tax, but it was talk founded upon nothing more tangible than rumor.

Prices for menthol in Brazil showed a development of stability at a time when, because mint is being harvested and production of peppermint oil-menthol is close by they might be on the weak side. Compared with prices a year ago, however, the current prices suggest that sellers already have discounted the effect of new production.

Acid, Acetylsalicylic — Further inquiries were received last week from potential buyers in foreign ports. The position inquired for was for shipment during the first quarter, but the inquiries stirred no more than passing interest in production quarters. Indications were that home demand would take a large part of output.

Acid, Boric—Deliveries were on a prompt basis and consumers for the most part accept tenders promptly. There is also reason to look forward with satisfaction toward the consumption requirements of 1946.

Alcohol—The higher prices established for all kinds of alcohol went into effect as scheduled by the Office of Price Administration. Authorization of more income to the producers will relieve them from some of the squeeze developed when the net cost of production rose when capacity-production ended when the end of the war brought cancellation of many contracts. The present problem of the alcohol producing industry was reported to be readjustment of itself to the total consuming requirements of a peacetime economy—which certainly will be far below the peak of wartime needs but, probably, well above the total in prewar times.

At midweek the Reconstruction Finance Corporation disclosed that plans were almost completed for halting all production of alcohol to be used in the production of butadiene, an essential ingredient of synthetic rubber, and closing down of three plants converting petroleum into rubber. The alcohol-butadiene plants affected are those at Institute, W. Va.; Louisville, Ky., and Kobuta, Pa.

Some talk about a change in alcohol taxes was noted recently. Inquiry in Washington developed the fact that the alcohol tax will revert to the 1942 rate of $6 per proof gallon on July 1 if the President proclaims the end of the emergency before the end of this year. Congressional committees on taxes will be taking up a study of the whole excise schedule early next year and maybe it then will consider the revenue tax on alcohol.

Argols — The European situation changed little for the better in recent weeks. Greater availability of raw material must await the production of grapes and wine in 1946—still some months off. On the other hand, production in some parts of South America will begin in the not far distant future, and it was hoped last week that supplies would be plentiful enough to increase the exportable surplus after South American requirements have been cared for.

Market Trends

Prices Advanced

None

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
207.6	207.6	205.2	230.3

For Current Prices see page 9.

Bismuth Metal and Salts—Moderate quantities of metal have reached these shores of late. In addition, domestic mines have maintained an output which has kept manufacturers of bismuth salts well supplied. Demand for salts was active in a firm market last week.

Brucine — Domestic production is hampered by the insufficient supplies of raw materials and the decreased production facilities of the domestic industry. Goods come in from England from time to time and sellers reported all consumer requirements being supplied.

Butyl Acetate—Leading producers continue prices unchanged and appear still to be studying the situation as it relates to readjustment of production and sales to a strictly peacetime setup. Many hope for reasonably steady prices and a deal of overall stabilization. It would appear that the ending of consumption due solely to war needs may bring synthetic material into more active competition with fermentation production.

Caffeine—It would appear that an industrial struggle between domestic and Brazilian producers is in the making. Synthetic caffeine is to be made here on a large scale. In Brazil, maintenance of the profitable wartime export business in caffeine is first order business on the Brazilian commercial agenda. Between the two are the domestic producers working from tea waste and other raw materials.

Castor Oil—Demand for oil was excellent and production was said to be in good volume from a plentiful movement of raw material to this market. Arrivals of beans at this port last week totaled 3,779,550 pounds, bringing the total of arrivals since January 1 to 250,996,900 pounds. In the corresponding time of 1944, the total was 255,357,140 pounds. Hence, the arrivals this year are running less than those a year ago.

Chicago, Dec. 5.—Castor oil prices are:—Cold pressed U.S.P., 13¾c. per pound, returnable drums, carlots; 14½c., drums, less than carlots; 13c., tanks; No. 3, extracted, 13½c. per pound, drums, carlots; 14¼c., drums, less than carlots; 12¾c., tanks.

Ergotine—A reported arrival of a case of this article from Bombay aroused some local interest. The alleged importer declared he knew nothing about such an arrival—yet a case of ergotine did reach here from Bombay unless the basic record be badly off.

Fish Liver Oils—The season for rising consumption is at hand and finds the market not plentifully supplied with unsold oil. The oil that becomes available usually has been engaged for some time ahead and creation of surplus reserves appears to be almost impossible.

Glycerin—When the government report concerning stocks of crude and refined glycerin, together with those of soapers' stocks, is issued, there is some reason to expect that it may prove to be more favorable than seemed probably not so long ago. At least in some respects, stocks are believed to be holding their own—which is slightly different from the steady decreases in stocks reported for some time past. Pricewise, the market is best described as strong and at the present time, the element of competition seems to be missing.

Chicago, Dec. 3. — Glycerin prices are:—C.p., tanks, 18c.; drums, c.l., 18¼c.; l.c.l., 18¾c.; high gravity, tanks, 17½c. to 18c.; drums, c.l., 17½c. to 18c.; l.c.l., 18c. to 18¾c. Chemically pure, 18c. per pound, tankcar; 18¼c., drums, carlots; 18¾c., drums, less than carlots; high

For Late Market Developments, See Page 4

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Menthol—The spot market appears to be reaching something akin to balance. At least the present market is said to be more closely in alignment with that in Brazil than recently was the case. That the at present apparent gain in price stability can be maintained in Brazil remains to be seen. Another crop of mint is being cut. With prices as low as they now are, it also remains to be seen if all the mint harvested is turned first into peppermint oil and then into menthol. There are those who feel confident that the actual output of menthol will drop considerably this year. And the local importing trade is not forgetting that shipments of Chinese menthol may come over the horizon almost any time.

Milk Sugar—The supply situation continued to be reported as very tight but some expect that a gain in milk production during the months ahead will supply sufficient raw material to permit some increase in milk sugar supplies. However, the desired end may well be swallowed up in the hugely expanded consumption of milk as beverage by individual drinkers.

Penicillin—The supply situation has improved moderately but the demand remains extraordinary, especially for export account. Control of exports has been put back into effect. It is now under individual license control. Applications for licenses to export in December may be submitted at any time prior to December 10.

Quicksilver—Prices continued to display substantial strength. Absence of surplus stocks of metal tended to keep sellers' views strong and to turn holders away from a competitive approach toward buyers. Stocks on the Pacific coast were conservative, in strong hands, and not likely materially to increase at this time of the year.

Quinine—Fighting between Indonesians and the British continued in Java where additional troops from India were reported to have been flown in last week. As long as fighting continues, steps toward reconstitution of normal trade in cinchona bark and quinine can be nothing less than delayed. It proves to be almost impossible to reestablish the machinery for peacetime business at a time when the main business of the cinchona area is war.

Salicin—Inquiries concerning a renewal of exports of this article have been sent from this country to England but revival of the Belgian willow basket industries is a necessity preliminary to the reestablishment of production and export of salicin.

Strychnine—Inquiry failed to disclose adoption of higher prices authorized some time back by the Office of Price Administration. Some indications pointed toward a schedule being put out shortly after the turn of the year.

Sugar—Allocation of the supply of sugar available to the United States in the first quarter of 1946 was announced December 4 by the Department of Agriculture. A total of 1,183,854 pounds was allocated, comparing with 1,222,610 pounds allocated in the last quarter of 1945. The allocation was as follows:—Civilians, including home, institutional and industrial users, 1,100,000 pounds; U. S. military and war services, 70,263 tons; commercial exports and shipments, including U. S. territories, 13,591 tons.

Shell Marsh Named To Meyer Bros. Post

Shell Marsh, formerly sales manager for Meyer Brothers Drug Company, Inc., New Orleans, has been named vice-president and general manager, succeeding to a vacancy caused by the recent death of Chester A. Iorns. Mr. Marsh has been sales manager for eleven years and prior to that time was active in the wholesale drug business in Arkansas.

Edwin B. Dooley will resign as director of public information for General Foods Corporation, New York, effective December 31.

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Solomons Company Observes Centenary

The Solomons Company, wholesale and manufacturing druggists, Savannah, Ga., has reached its one-hunredth birthday. It stems from an apothecary shop, founded in 1845 at the corner of Whitaker street and Bay lane, by Abraham A. Solomons, who had got his apothecary's license in Charleston ten years earlier. A few years after its founding, the business broadened in the medical supplies field and took the name of A. A. Solomons & Co. It was incorporated under its present name in 1899, following the death of its founder.

Abraham A. Solomons was succeeded as president of the company by Joseph M. Solomons, his brother, who served until 1921, when he was succeeded by Isaiah A. Solomons, son of the founder. The present building of the company was erected in 1920. The business had been moved several times meanwhile. Isaiah A. Solomons died in 1929, and the presidency went to his son, Abraham A. Solomons. The latter relinquished the presidency in 1940 to become chairman of the board, a position which he still occupies. His brother, Isaiah A. Solomons became president and still is. Thomas D. Fitzgerald is a vice-president; Stephen K. Myers is secretary, and Thomas J. Corcoran is treasurer and assistant secretary. Joseph M. Solomons, another brother, was a vice-president at the time of his death, November 22, 1945. The Solomons brothers, Mr. Fitzgerald, Mr. Myers, Henry A. Alexander, and Samuel E. Wolff constitute the board of directors.

The Solomons Company still maintains one retail outlet, located on the site of its second home to which it moved in 1847. This store is a part of Savannah's tradition. Among its customers have been Robert E. Lee, in 1870, and Alexander H. Stephens, in 1869. It is managed by W. A. Wallace.

Health Care Plan Offered Yonkers Residents

The Blue Cross Plan for hospitalization and the United Medical Services system of paying doctor bills has been offered on a community-wide basis to residents of Yonkers, N. Y., in a two-week enrollment drive, which continues to December 8.

Emerson Drugs Gets 'Tips' and 'Nips' Items

Emerson Drug Company, Baltimore, has acquired two products from R. I. Runner Company. The products are 'Tips,' a breath sweetener, and 'Nips,' an antacid.

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Botanical Drugs, Spices, Gums

Demand may have been slow enough in the market for botanical drugs to warrant the report that the market as a whole was undergoing a seasonal slump in consumer interest, but price movements prevented the period from being utterly drab and lacking in color.

The articles to continue the market's recent habit of producing surprises were blood and senega roots, and calabar beans on the up side of price movements, and blue malva flowers and prince's pine on the down side of changes. In between, were the offerings of China cassia on a future delivery price basis, proposals on the same basis as regarded star anise from China, a rash of activity in African ginger root at declining prices, and the baking industry's excitement when caraway and poppy seed from Holland via the steamship *Delftijk* actually reached port.

The situation in senega and blood roots was just short of desperate. Situations closely approaching that in those materials existed in wild cherry and cocillana barks, and in balm of gilead buds. This is the season when consumption runs at flood tides, but last week there was mighty little stock of any of these items to maintain a flow to consumers who stand with dollars in hand, but meet no supplies.

Blue malva flowers recently quoted on a future arrival basis came to hand and were offered at lower prices for firm prompt delivery. For some reason or other, prince's pine changed to the buyers' side of the business fence, but found plenty of room to stand since buyers were few.

It may be that the Christmas season had something to do with it, but the bare fact was that cables from the country supplying gum olibanum contained the somewhat astounding news that stocks were down and prices were up. Two botanical gums are closely attached to the Christmastide —gum myrrh and gum olibanum, highly valued as incense. Fortunately, there seems to be plenty of olibanum on spot.

Balsams

Peru—Demand was light, covering jobbing requirements in practically all instances. Pricewise the market continued to be steady to firm in the absence of competition between suppliers.

Tolu—Not a great deal of material was available. Also, demand was inconsequential and entirely that prevailing at the end of most years. The replacement costs were well maintained.

Barks

Cinchona—Outlook for restored exports of cinchona from the Netherlands East Indies was poor. Fighting in the area where the cinchona plantations are located began afresh last week and until peace comes to the NEI, business stands little chance for restoration.

Cascara Sagrada—Holding very firm in price but the advance is believed to have run its course and between now and new crop peeling, stability in values appears to be probable. Demand was the typical call prevalent at the end of all years—very light. So were stocks.

Cottonroot—The crop should begin to accumulate soon but the financial encouragement which has to be given the collectors would appear to forecast fairly high prices when new crop comes to the market.

Wild Cherry—Some do not quote. Some sell small lots only to regular customers. Some have none. And whatever the individual position, the ideas on price are generally very high.

Beans

Calabar—At last a dealer comes through with a price for replacement beans. And such material for later arrival was offered last week at 60c. to 65c. per pound. The arrival position is expected to be January. At least, the beans are afloat.

Vanilla—Holding firm. The season of the year tends to curtail operations on a large scale but stocks of importers and dealers are so small this year that recession in inquiries and decrease in orders is more or less welcome so far as the immediate delivery market is concerned. Many former users continue to satisfy their requirements by purchasing vanillin.

Berries

Cubeb—Some hope of restoring exports of these berries existed so long as Sumatra in the Netherlands East Indies remained quiet and free from the fighting that in Java has rendered restoration of exports impossible. Last week, cables indicated that revolution was likely to flame in Sumatra momentarily, if not sooner. Restocking the spot market seemed a long way off.

Saw Palmetto—Those in Florida who in the past have alternated pleasure with work by encouraging the negroes to collect saw palmetto berries have been strangely silent as regards posting this market on the state of market at the source. Locally, merely dull repetition of previous prices answered inquiry as to the market's well-being on spot.

Flowers

Chamomile—The "peaceful" Argentine is likely to face a Europe bent on reestablishing its dominance as a world supplier of European botanicals. It has been said that those growing, or collecting, or processing chamomile in Argentina came originally from Europe. One letter that reached here last week intimated that its writer was going back to Europe.

Malva—Blue flowers were actually in hand on spot and were offered at the lower price of $1.25 to $1.30 per pound—which contrasts with some much higher prices occasionally reported.

Pyrethrum—Official statements have indicated that the Japanese hold no stocks of pyrethrum to move into the world markets. Also, that home requirements are likely to play a major part in the future since the need for food will probably curtail land devoted to pyrethrum cultivation and hence a larger part of Japanese pyrethrum output is likely to stay at home. Which is quite all right so long as the Kenya Colony continues to do its excellent job of supplying large quantities of high test flowers.

Gums

Asafetida—Tending to become firmer and not subject to much local competition despite the absence of demand much in excess of jobbing. Replacement values were exceptionally firm.

Myrrh—No exceptional interest was displayed. Most consumers with products seasonable at the Christmas season had covered needs fairly well ahead. Jobbing business constituted the bulk of inquiry last week and actual sales were rather small.

Olibanum — As a herald of the Christmas season, cables from the primary market reported a higher level of values and a generally more active and stronger undercurrent. The spot market seemed to be well supplied with prompt delivery goods and

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Drugs

Bloodroot, 7c. per lb.
Calabar beans, 80c. per lb.
Senega root, 10c. per lb.

Other Articles

Cumin seed, Syrian, 1c. per lb.
Dillseed, dewhiskered, ¼c. per lb.

Prices Reduced

Drugs

Fenugreek seed, domestic, 1½c. per lb.
Malva flowers, blue, 5c. per lb.
Prince's pine herb, 3c. per lb.

Other Articles

Caraway seed, Canadian, 1c. per lb.
Coriander seed, Argentina, ¼c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
254.2	252.9	248.8	242.6

For Current Prices see page 9.

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until higher prices are actually paid at the source, it was said that local quotations would probably be kept in check by the availability of merchandise.

Herbs and Leaves

Henbane—The market was seasonally inactive, but it also appeared to be reasonably firm in price and possessed of a fair prospect for consumer request on a more active level during the first quarter of the year.

Lobelia—Very strong so far as the talk about the item was concerned. The fact was that it was extremely difficult to find prompt delivery goods in this market. And dealers here said they could find none at the source.

Princess Pine—Spot quotations were reduced to 60c. to 61c. per pound last week and it seemed not unlikely that firm orders in hand might be placed for less if the quantity wanted were attractive. Competition was a deal in evidence.

Sage—Importers have tangled with the Food and Drug Administration on the matter of the quality of sage reaching this country. Importers complain that the amount of material obtainable abroad is small enough and its importation difficult enough to warrant the government body exercising a rule of reason. On the other hand, there is a lusty domestic industry that was born of the war time necessities and wanting to live in peace.

Miscellaneous

Balm of Gilead—Fortunately, seasonal influences have curbed the immediate interest of some manufacturing consumers and dealers hope that more goods will be in hand when major demand shall return to the spot.

Dragon's Blood—The political mess in the primary market holds little hope out to those on spot who have had ideas of replenishing their exhausted stocks of dragon's blood reeds, thin or thick. Fighting at the source cuts all chance for business recovery.

Manna—Mayhap it is all a matter of the season and that by next Spring or Summer, Italian exporters will once again offer large and small manna flake for shipment.

Roots

Blood—The market on spot was at least 60c. to 65c. per pound but for all important purposes it might be said that the spot is bare of supplies. At the very best, only jobbing lots remained without owners or claimers in any market.

Golden Seal—Some think that those who gave up cultivating this root after export became impossible will return to the soil with a view to profiting by good crops about three years from now. At that time, former buyers abroad may be in a position to trade. At present, very little root is held anywhere.

Senega—Country prices are very high. Root is in strong hands and most dealers here show no inclination to encourage present primary market price practices. Limited quantities on spot might—if luck were more than good—be picked up at $1.90 or $2 per pound. Leading suppliers in the past report none.

Turmeric—Some Alleppey root for January-March shipment was offered on spot at 16½c. to 17c. per pound.

Seeds

Anise—Local merchants offered star seed from China at 41c. to 42c. per pound for February shipment.

Caraway—Danish seed has arrived and spot offerings were made last week at 65c. to 66c. per pound. Canadian seed was reduced to 68c. to 69c. per pound. Some Dutch seed arrived last week.

Celery—The market was in the doldrums but prices held free of quotable change on spot and in the primary market.

Coriander—Quotations on seed from Argentina were advanced fractionally to the basis of 9¾c. to 10¼c. per pound.

Cumin—Sellers of Syrian seed raised asking prices to the basis of 40c. to 41c. per pound and sales were said to have resulted.

Dill—Dewhiskered seed was raised a fraction to 8¾c. to 9¼c. per pound.

Fenugreek—Sellers took a more competitive view on the market and quotations on domestic material were reduced to 12c. to 12½c. per pound.

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TRADE MARK

Morocco seed remained at 7¾c. to 8¼c.

Spices

Cassia—Firm quotations were restored on China cassia. The goods offered were to arrive later and the prices established after many months of total lack of either prices or produce were as follows:—Buds, 46c. to 47c. per pound; rolls, selected, 47c. to 48c.; extra select, broken, 46c. to 47c.

Cinnamon—A general overhauling of prices may be expected to follow the establishment of lower quotations at Colombo. The revision downward was said to have resulted from the decision of the United States representatives not to pay the price originally established by negotiations. The exact issue of this situation has yet to be realized.

Ginger—Considerable activity was noted last week in African ginger root and sales were said to have been made at 12c. per pound for goods to arrive later on. No other market developments were reported. Demand was rather slow.

International Nickel Opens Cincinnati Technical Division

International Nickel Company, Inc., opened the Cincinnati technical section of its development and research division December 1. Richard B. Kropf, metallurgist, and formerly district manager of the oCpperweld Steel Company, Hartford, Conn., has been placed in charge of the new section.

Col. Hoffman Returns To Biddle Purchasing

Col. George R. Hoffman, now on terminal leave from the Army, where he was Port Transportation Officer of the New York Port of Embarkation, is returning December 1 to his former position as vice-president and director of the Biddle Purchasing Company.

Union Bag Names Doyle Sales Head

Leonard J. Doyle has been made general sales manager of the Union Bag & Paper Corporation. He has been with the organization since 1912.

Jorge Manzano-Small recently joined the export department of the Bristol-Myers Company, New York.

Robert DeLamar Back

Capt. Robert DeLamar has rejoined J. H. DeLamar & Son, Chicago, where he will take charge of the sales of lanolin and organic chemicals. Captain DeLamar has been on duty in Washington with Chemical Warfare Service for the past two years.

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Essential Oils, Other Aromatics

Price movements in aromatics supplied most of the interesting developments in the market for essential oils and aromatic chemicals last week. The changes in amyl salicylate, isoeugenol, and benzyl benzoate and propionate were all on the downside reflecting the lower production costs and the availability of raw materials heretofore difficult to obtain, because of war-time restrictions. The over all picture of aromatics continued to improve. A number of products were still difficult to obtain for prompt shipment, but delivery for most items during the early part of the new year was promised.

Many of the essential oils continued in limited supply. While shipments of anise and cassia oils from China were believed to be on the way here, it was difficult to obtain definite confirmation of the arrival date. Bois de rose arrivals from Brazil were awaited to provide the market with spot material. Stocks of Ceylon citronella remained tight. Despite the larger shipments of eucalyptus oil from Australia during the first eight months of this year, reserve stocks were not large. Spasmodic arrivals of lemongrass were inadequate to meet all requirements. Shipments of petitgrain and palmarosa were awaited to bolster the limited spot offerings. Small quantities of rose oil were now available. Mysore sandalwood was very scarce.

The output of vanillin has failed to keep pace with the increased demand for the synthetic material. Contrary to the belief that inquiries from the flavoring trade have diminished, because of the sugar shortage, it was disclosed in the trade that demand was actually heavier. Whether this was due to anxiety on the part of consumers to stock up, or to the fact that the conservative vanilla bean crop, together with shipment difficulties from vanilla primary markets have not been sufficient to meet all requirements for extracts, could not be learned. Manufacturers experienced difficulty expanding production facilities to cope with the larger demand due primarily to the inability to obtain adequate replacement machinery and the necessary skilled labor.

Market Trends

Prices Advanced

Ginger, dist., $1 per lb.
Guaiacwood, 15c. per lb.
Lemongrass, 15c. per lb.
Petitgrain, 5c. per lb.

Prices Reduced

Amyl Salicylate, 7c. per lb.
Benzyl benzoate, 5c. per lb.
proprionate, 45c. per lb.
Dillweed, 25c. per lb.
Geranium, Bourbon, 25c. per lb.
Isoeugenol, 20c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
222.1	222.4	221.3	204.7

For Current Prices see page 9.

Essential Oils

Anise—Definite word was lacking regarding arrival of material from China. Lots reported shipped several weeks ago were expected to arrive some time this month or the early part of next year. Limited offerings of Russian rectified oil were obtainable here.

Bergamot—Spot price was $8.75 per pound, although this figure was subject to shading. The market was amply supplied and new shipments were on the way. Production of oil in Reggio di Calabria during 1945 was estimated at 125,000 kilograms, compared with 160,000 kilograms during 1944. It was believed that considerable stocks accumulated in the war years were on hand. Prices ranged from 1,500 to 1,600 lire per kilogram.

Bois de Rose—Until additional quantities reach here from South America, spot offerings will be negligible. The small, recent arrivals were quickly absorbed by consumers for their own use.

Caraway—With the Dutch material available to augment the supplies of Russian and small lots of Canadian, the market appeared adequately supplied. Quotations for the Dutch were from $9 to $10, while the Russian ranged from $11.50 to $12 per pound.

Cassia—Sellers' ideas for spot offerings of material due to arrive from China range from $10.50 to $11 per pound. Difficulties in establishing trade with China since the end of the war preclude any definite information concerning arrivals.

Celery—Offerings ranged anywhere from $16.50 to $18 per pound. Market position was regarded as fair, and interest only moderate.

Cinnamon Bark—There were adequate spot offerings to take care of consumers' immediate requirements. Prices ranged from $32.50 to $34.50, depending on quality of material. One case was reported to have arrived last week.

Citronella—Stocks of Ceylon were not too plentiful, and offerings continued on a restricted basis. Prices quoted ranged from $1.70 to $1.75 per pound.

Clove—Supply and demand at an even pace kept the market in a satisfactory position. Prices were firm. Exports of oil from Zanzibar for the twelve months ended June, 1945, were 438,605 pounds, and for the quarter ended June, 1945, at 92,168 pounds. Most of the oil went to the United Kingdom under the marketing arrangement with the authorities there.

Dillweed—Some offerings were made at $4 per pound, and ranged as high as $5 per pound. Interest was only routine.

Eucalyptus—Material was not too available, and quantities offered were usually limited. August arrivals from Australia totaled 48,983 pounds, a gain of 164 percent over July, while Brazil shipped 2,205 pounds. The imports for the first eight months of 1945 were double those of the same period of 1944, according to the Department of Commerce.

Geranium—While spot offerings of Bourbon were not large, some offerings were lower at $16 per pound, and quotations ranged as high as $22 per pound, according to quality of material.

Ginger—Higher prices for distilled were reported, and ranged from $13 to $13.50 per pound. Supplies were sufficient to take care of consumers' needs.

Guaiacwood—A firmer price tone was prevalent, and quotations ranged from $3.25 to $4 per pound. Supplies on spot were entirely adequate to meet consumers' requirements. Exports to the United States from Paraguay during the first 9 months of 1945 totaled 7,320 kilograms, valued at $35,939, compared with 600 kilograms, valued at $2,976 in the corresponding period of 1944.

Lemon—No improvement in the immediate spot position of the market was looked for during the next several weeks. However, production for 1946 was expected greatly to exceed current year's output, and the slackening in government's requirements will make additional quantities available to consumers.

Lemongrass — Although spasmodic arrivals reached here from India and South America, they were not sufficient to enhance the spot position of the market materially. Prices ranged higher at $2.50 to $2.65 per pound.

Lime—Quotations for distilled held at previously established levels, while supplies of the expressed continued limited.

Orange—Market position changed little as supplies of domestic were not large, and replacement costs of Brazilian continued high.

Peppermint—Prices for natural and distilled were steady at levels established previously. The higher crop this year provided consumers with ample supplies for all their requirements.

Petitgrain—The market continued to reflect the limited spot offerings and the higher replacement costs. Prices were from $2.35 to $2.50 per pound. Exports to the United States from Paraguay during the first 9 months of this year totaled 87,919 kilograms, valued at $292,491, compared with 90,539 kilograms, valued

For Late Market Developments, See Page 4

at $258,785 in the similar period of 1944.

Rose—A limited amount of spot offerings continued. One quarter quoted $31.25 per ounce. In other directions prices ranged $45 to $55, according to quality and place of origin.

Sandalwood — Offerings remained very scarce. While ceiling prices remain in effect, it was difficult to locate any material at this level.

Thyme — Future offerings from Spain will reflect higher replacement costs. Spot offerings of the red and white were not large, and quotations were at $2.60 to $3.25 and $2.85 to $3.80, respectively.

Vetiver — Quantities of Bourbon were decidedly limited on spot, while offerings of South American and Haitian helped to bolster the market.

Wormseed—No new developments were reported, with interest light and prices maintained at ceiling levels.

Aromatic Chemicals

Amyl Salicylate—Price lowered to the basis of 68c. per pound, reflecting the reduced production costs and more satisfactory raw material situation.

Benzyl Compounds — Offerings of benzyl proprionate were available at $1.85 per pound, while the benzoate was slightly reduced at $1.05 per pound.

Coumarin—Stocks were more available than heretofore, but the stoppage in production for several months left a sizable backlog of orders to be filled. Normal conditions were not expected for several months.

Isoeugenol—Material was now available at lower level of $3.85 per pound.

Methyl Anthranilate — Market position continued tight, and shipments were on an allocated basis. Prices ruled firm.

Phenylethyl Alcohol — Output has not kept pace with the increased demand, although the outlook was for increased shipments after the turn of the year. Prices unchanged.

Vanillin—The expanded demand for material has not been met by present production, and sellers were allocating business to regular consuming trade. Prices firm.

Standard Synthetics Head Back from Abroad

J. L. Hindle, president of Standard Synthetics, Inc., essential oils, New York, arrived in New York recently after visiting the London factory of Standard Synthetics.

He reports business in London to be rapidly recovering from the effects of the war. Imports of such essential oils as lemon, citronella, lavender, lemongrass and such oils are still controlled entirely by the British Ministry of Food, but applications for supplies are liberally granted to previous users, and everything possible is being done to help exports, he said.

The shortage of American Turpentine in Britain makes it almost impossible to get terpineol and terpinyl acetate, and any cinnamic aldehyde to be found is worth over $10 per pound, he said.

Regarding business in the United States, Mr. Hindle believes there will be overproduction of certain synthetics as removal of wartime controls make the materials plentiful.

J.E.Wolfe Resigns From Continental Can

J. E. Wolfe, general manager of Continental Can Company's Plastics Division, located in Cambridge, Ohio, has resigned. Mr. Wolfe joined the Continental Can organization in 1944 when the Reynold Spring Company's Plastics Division, of which he was general manager, was acquired by Continental Can Company.

BIMS Annual Dinner Jan. 24

BIMS, a social organization of buyers and importers, manufacturers and salesmen, will hold its annual dinner in the Hotel Lafayette, New York, January 24. The dinner will be confined to members only.

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Petroleum Derivatives

Widely varying price trends now characterize the markets for petroleum derivatives in different parts of the United States. But these developments are generally regarded as of little consequence, inasmuch as they are considered merely growing pains of the reconstruction era.

Amid the easing of the recently war-tightened supply situation in petroleum solvents and liquefied gases as well as gasoline in virtually all parts of the country, there has been renewed tension in the supply position of residual fuel oil in the New York metropolitan area and recurring threats of distressing shortages of the principal heating oils — light and heavy fuel oils as well as stove oil and kerosene—in the New England states.

Keen competition has entered the fuel oil picture with resulting shadings of prices for distillate fuel oil, kerosene and diesel oil in tankcar lots in such remote places as the New Haven area and the Savannah, Ga., district. And, despite the tightness in the residual oil market in the New York area there has been some paring down of prices on tankwagon deliveries of this oil in this region, also. Likewise there has been some price shaving on gasoline at points in the Midwest.

Meanwhile, conferences have continued to be held in New York by the Office of Price Administration with representatives of the refiners, in an effort to obviate, or at least alleviate, the threatened shortage in kerosene, range oil and No. 1 fuel oil along the East coast. One of the chief purposes of these conferences is to determine whether a price increase is necessary to bring out the required volume of these petroleum products or whether the shortage is due to causes beyond the control of this governmental price agency.

Solvents and Diluents

Aromatic Solvents—Principal developments of the past week in these high solvency aromatic naphthas have been the intensified tightness in the supply situation for xylol and the appearance of replacement solvents for the latterly withdrawn Nos. 1, 2 and 3 'Solveso' materials, whose specifications called for "over 76 percent aromatic," and "over 90 percent aromatic" for the two first mentioned types. The three replacement materials, which have been put on the market by one of the three leading manufacturers, keep six well-known brand types in the field, one of which, No. 40, is still produced in California, while two others, originally made by this California refining company, are being turned out in New Jersey plants. A fairly keen demand continues to be noted for all these materials.

Cleaners' Naphtha — Continuing to move in considerable volume on civilian account and in lesser quantities into military channels.

Lacquer Diluent — Buying interest still reaching goodly proportions, with prices well maintained.

Mineral Spirit — Fairly extensive purchasing operations continue to be reported in this material.

Rubber Solvent—Despite some curtailment of buying on the part of those synthetic rubber manufacturers whose plants have been closed or slowed down by strikes, the volume of purchasing by leading exponents of that industry continues sufficiently heavy to absorb virtually the entire available supply of this solvent.

Stoddard Solvent—Movement of this solvent into drycleaning channels is still reaching a notable aggregate, with the civilian account outstripping the military.

V. M. & P. Naphtha—Being taken in steadily increasing quantities by the paint and varnish manufacturers.

Markets at Other Centers

Chicago, Dec. 7.—Call for petroleum solvents and diluents is mixed in this area. Gasoline interest is restricted by the fact that buyers are being made wary by increased offerings. Farm call for other products in this category continues good.

Los Angeles, Dec. 7.—Inquiry for petroleum solvents and diluents has continued to increase on the Pacific coast this past week, as supplies have become more liberal. Prices have remained steady.

Lighter Fractions

Butane—Although not yet in any too plentiful supply, butane can be obtained in most instances in sufficicnt quantities to meet the increasing requirements of home heating and cooking interests and private industrial processors as well as the diminishing needs of the high-octane gasoline and synthetic rubber manufacturers.

Markets at Other Centers

Chicago, Dec. 7.—Material in the category of liquefied petroleum gases continues to meet with rather good reception in this area. Offerings are moderate while inquiries continue brisk lending a firm market tone to the situation here.

Los Angeles, Dec. 7.—Propane and butane have continued to move in good volume on the Pacific coast within the past week. Supplies to civilian channels have continued to increase.

Petrolatums and Waxes

Microcrystalline Waxes—Under the leadership of the standard process types, these petroleum waxes continue to move in steadily increasing volume into consuming channels.

Paraffin—Under the impact of constantly increasing demands for export as well as domestic consumption, stocks of crude scale wax continue to be held down to meager proportions while refined grades are in such scanty supply as to be almost unobtainable in several instances.

White Mineral Oils—Buying interest of a highly spirited character is still being evinced by all manner of consumers, with prices well maintained on all U.S.P. and technical grades.

Fuels and Lubricants

Crude Petroleum — Still another slight recession has been noted in the daily average production rate for crude oil of late, albeit the yield has continued at relatively high levels. For the week ended December 1, the actual daily average production rate has shown a decline of 21,150 barrels to 4,448,150 barrels. Runs of crude oil to the refineries for this same week have averaged 4,690,000 barrels daily, compared with 4,648,000 barrels for the provious week.

Fuel Oil—In the face of a theatened shortage on the East coast, keen competition in some sections of the Atlantic seaboard have resulted in price cutting operations in bunker and other residual oils. Leading fuel oil suppliers in the New Haven, Conn., area have lowered their tankcar quotations on No. 2 distillate fuel oil as well as on kerosene to the extent of 0.2 cent per gallon, reducing their prices for the former to 5.4 cents per gallon and on the latter to 5.8 cents per gallon. But none of these interests has yet made any corresponding downward revision in his prices for these oils in tankwagons.

In the New York area, suppliers who were selling residual fuel oil 0.3 cents per gallon below the price ceilings on tankwagon deliveries prior to OPA's recent order dropping the ceilings by 4 cents to 4½ cents, are now selling this oil the same amount under the new price ceilings. And in the Savannah, Ga. area, the leading refiner's supply agency has lately announced a markdown of its diesel oil for ships' bunkers by a half cent per barrel to $1.99 per barrel.

Gasoline—Engaging in keen competition, as offerings became more liberal, some refiners in Kansas and Oklahoma have reduced their prices for 78-80-octane ethyl gasoline by one-eighth of a cent to 6¼ cents and 6⅝ cents per gallon, respectively.

Market Trends

Prices Advanced

None

Prices Reduced

Fuel oil, No. 2 distillate, New Haven area, tankcars, 0.2c. per gal.; New York, tankwagons, 0.3c. per gal.; bunker oil, Savannah, Ga., 0.5c. per bbl.

Gasoline, 78-80-octane, ethyl, Kansas and Oklahoma refineries, tankcars, ¼c. per gal.

Kerosene, New Haven area, tankcars, 0.2c. per gal.

For Late Market Developments, See Page 4

Protective Coatings Materials

Unabated work stoppages in several of the building material and durable goods trades, and the unrelieved shortages and use limitations in many of the essential ingredients of paint, varnishes and lacquers, continue to shut the protective coatings industry out of full enjoyment of the Elysian fields of immediate and nearby billion dollar markets for their products.

With the ending of the war, the manufacturers of these protective coatings and their constituent materials had planned to engage in a swift and smooth reconversion race from wartime to peacetime conditions and a dash toward the goal of a gargantuan aggregate of civilian business looming in the towering paint, varnish and lacquer requirements of the contemplated intensified mass production of radios, refrigerators, kitchen ranges and household electrical equipment and automobiles, and, particularly, of new building construction and repainting and redecorating of older structures.

But, because of the unrelieved, shortages of white metal and mineral pigments, rosins and drying oils, the rush of these paint material makers toward these titanic marketing opportunities for their products has been slowed down to a walk and, within the past week, has been further retarded until these interests now find themselves unable to do much more than mark time, with every prospect that they will not be able to break into a run again until after the turn of the year, and perhaps not until after the end of the first quarter. For it is now figured that, until the handicaps of labor strikes and material scarcities are removed, the volume of paint, varnish, lacquer and materials available for civilian purposes will not be any greater than it was during the last few months of the war, when the bulk of the business consisted of military orders, which have since been cut back or entirely cancelled.

Metallic Lead and Zinc

A further steady gain in domestic production of lead, while somewhat cheering to consumers desirous of obtaining larger allotments of this metal when the output far outstrips all requirements, has not yet reached sufficient proportions to obviate additional drafts upon the government stockpile in the meeting of present allowances to storage battery, collapsible tube and paint pigment makers. Hence, there is little reason for the last-mentioned interests to look for any liberalization of their present rations for some time to come. Prices for pig lead have continued unchanged for the week November 30-December 7 at 6.35c. per pound in St. Louis and 6.50c. in New York.

The inadequacy of the present capacities of the zinc refineries is still preventing the meeting of all requirements in slabs, although there continues a plethora of zinc ores and concentrates. Quotations for zinc slabs have remained unaltered for the week November 30-December 7 at 8.25c. per pound in East St. Louis and 8.66c. in New York.

Pigments

Titanium Dioxide—The tension in the supply situation of TiO_2 and its pigments continues unrelieved, as the requirements of the exterior paint makers as well as of rubber, paper and leather manufacturers keep mounting and the plant capacities of the producers are still insufficient for meeting all their needs. A further study of the recent revision of priorities regulation 32 affecting this material has revealed the fact that the inventory limitations which have thus been placed on titanium pigments restrict inventories of these pigments to 30 days' supply or practicable minimum working inventories, whichever is less.

White Lead—With the manufacturers of this white pigment limited in their allotments of pig lead to a maximum of 55 percent of the amount of this metal used in their production of the pigment in the first half of last year, which is holding down the output of this material to that extent, consumers are unable in most instances to obtain all that they desire. A majority of these consumers are therefore pleased with the limitation of inventories therein to 60 days' supply, as they believe that this will prevent big users from attempting to monopolize the already meager available supply to their disadvantage.

Market Trends

Prices Advanced

Alphapinene, ½c. per gal.
Gum turpentine, ½c. per gal.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
140.2	140.2	140.2	140.2

For Current Prices see page 9.

Driers and Flatteners

Naphthenates—With the more liberal supply of naphthenic acid now available, manufacturers of the metal naphthenate driers are able to book and fill the fairly extensive orders still pouring in upon them from paint and varnish makers, many of whom, debarred from the civilian use of these driers during the war years, have latterly returned to them with renewed vigor.

Stearates—Demand for all types of stearates continues brisk and fairly extensive. While some manufacturers of these flattening agents with small plant capacities are unable to accept new business, the larger producers are once more in a position to take on orders from consumers whom they were unable to accommodate during the period when war orders required a large portion of their output.

Fillers and Extenders

Barytes—Continues in fairly keen demand, with a sizable movement of the wetground types under way into consuming channels. Bureau of Mines reports that more barite was produced in the United States during the first nine months of this year—a total of 521,623 short tons—than during the previous record year 1944, when the aggregate output for the twelvemonth was 515,136 short tons. Production of dryground barite in Georgia during the nine-month period, according to this authority, was static but the output of wetground material in Missouri climbed steadily in this period, chiefly because of a largely increased number of new washers which have come into production, this year. Arkansas has also shown production gains for the first three-quarters of this year over its output for the corresponding period of last year.

Chalk—Buying interest still sizable. Latest arrivals have included 930 bags of chalk precipitate.

Gypsum—Moving in fair volume. Bureau of Mines reports an increase of 5 percent in the quantity of crude gypsum mined in the United States in the third quarter of this year (959,097 short tons) over that recorded for the corresponding period of last year (917,395 short tons). For the same period, this authority records an increase of 7 percent in the output of calcined domestic and imported gypsum. New construction uses have accounted largely for these increases, most other uses having declined during the quarter.

Mica—The paint trade continues to buy extensively of the wetground, especially the finely powdered types of scrap mica while also making fairly sizable purchases of the dryground grades. In the field of strategic mica, an arrival of 2,000 cases of splittings, has been recorded within the past week.

Dry and Chemical Colors

Carbon Black—Buying of high color blacks by manufacturers of automobile coatings continues to mount in volume, thereby keeping supplies of channel blacks available for the paint industry at large at a greatly reduced level. Makers of synthetic rubber tires are still absorbing a considerable

For Late Market Developments, See Page 4

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ALUMINUM
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volume of the so-called "rubber grades" but the curtailed takings of some of these interests, due to strikes and work-stoppages at a few of their plants, are combining, with the hugely increased production, to build up inventories of these grades of channel blacks, without amplifying the quantities of paint and ink grades.

Chrome Colors—Except for a slight easing of the supply situation in zinc chromate yellow, following the release of considerable quantities by military procurement agencies, the market for chrome colors continues tight without much hope for more liberal offerings to civilian use paint makers until there is a further increase in the output of the bichromates and other ingredients.

Lacquer Materials

Dibuty Phthalate—Although most of the dark-hued war material hitherto pressing on the market for resale, either in its original or reprocessed forms, has latterly been taken up by civilian use consumers, the available supply of dibutyl phthalate remains sufficiently liberal to preclude all likelihood of any markups of prices for the new period, December 10-January 9, albeit the chances for any additional markdowns appear equally slim. At all events, no announcements of any important price revisions have yet been made for the ensuing month, and none are expected. The lowest price producers continue to quote 16.7 cents per pound in tankcars; the next lowest, 17 cents, and the third lowest, 18.5 cents, while one large manufacturer has notified the trade that his prices will remain unchanged for the current month at 20.6 cents per pound in tankcars. Meanwhile, buying interest continues to lag.

Dibutyl Sebacate—In view of the gradually waning demand and steadily increasing offerings, the three leading manufacturers of this material have left their prices unchanged for the new period, December 10-January 9, from the November 10-December 9 levels, which are 46 cents per pound for the lowest-price maker, 49.75 cents for the next lowest and 50 cents for the third of these sizable manufacturers.

Naval Stores

Rosin—Despite the increase of 87,000 drums in the 1945-1946 export quota for rosin, recently granted by the CPA's Office of International Trade Operations (formerly FEA), expanding this out-of-the-country quota to 208,000 drums, there has

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been no reduction in the domestic paint trade quota, which remains at 60 percent of the base period use, inasmuch as consumption so far this season has not shown as great inroads upon stocks as had recently been expected, with the result that CPA has not felt impelled to cut down the domestic quota to accommodate these expanded allotments for export. And, in view of the general expectation that production of gum rosin as well as wood rosin will be greatly amplified in the first quarter of 1946, while the total of domestic requirements will be by no means as heavy as it was in the war years, CPA has announced its intention of rescinding limitation order M-387, governing consumers' usage quotas as well as inventories of rosin, on or possibly before April 7, next.

Savannah, Dec. 7.—Following is a record of the market for the week:—

	Price per unit—Low of range quoted				
	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$6.00	$6.00	$6.00	$6.00	$6.00
D	6.00	6.07	6.07	6.07	6.07
E	6.60	6.60	6.60	6.60	6.60
F	6.70	6.70	6.70	6.70	6.70
G	6.74	6.74	6.74	6.74	6.74
H	6.76	6.76	6.76	6.76	6.76
I	6.76	6.76	6.76	6.76	6.76
K	6.80	6.80	6.80	6.80	6.80
M	6.82	6.82	6.82	6.82	6.82
N	6.98	6.98	6.98	6.98	6.98
WG	7.23	7.23	7.23	7.23	7.23
WW	7.50	7.50	7.50	7.50	7.50
X	7.50	7.50	7.50	7.50	7.50

	Drums				
Sales	...	...	127	...	43
Receipts	126	250	103	82	190
Shipments	...	300	...	...	397
Stocks	9,691	9,041	9,744	9,826	9,619

Turpentine—With the Government holdings of gum turpentine reduced by drafts of 46,000 units these last two months to a level slightly below 17,000 units, it has been rumored that CPA may follow up its five-month inventory limitation, which it recently extended so as to embrace this commodity as well as rosin, with a consuming quota. To date, however, it has not taken any step in this direction and it is now believed that the supply situation is not as tense as might be supposed from a glance at the fast-diminishing CCC stocks and the meager character of the supplies coming to hand since the flow of the crude gum has been greatly retarded by the advent of cold weather in the producing areas of the South. For, it has latterly become apparent that a large amount of the recent withdrawals from government stocks has not gone into consuming channels but is merely being held by the buyers so that it constitutes part of the visible supply that may be used in meeting requirements during the next few months.

Meanwhile, there has been no inclination on the part of the CCC to mark up its parity price for December from 81.9 cents to a level more nearly in line with the open market price which, after holding around 82½ cents per gallon during the early part of last week, has been boosted again on the Savannah Naval Stores Exchange, a half cent further to 83 cents.

Savannah, Dec. 7.—Following is a record of the market for the week:—

	Bulk gallons—Cents.	Sales.	Barrels—Receipts.	Shipments.	On hand.
Monday	82½	1,200	...	...	5,286
Tuesday	82½	...	126	84	5,278
Wednesday	83	2,450	25	2	5,301
Thursday	83	...	12	...	5,313
Friday	83	...	17	...	5,330

Synthetic Resins

Ester Gum—The unrelieved shortages of rosins and glycerine continue to limit production of this important ingredient of many synthetic resins, although the demand continues keen for both types.

Varnish Gums

Asphaltum—A steady and fairly sizable movement of gilsonite and the petroleum base asphaltums continues to be noted, with prices well maintained throughout the list.

Copal—The local market continues to exhibit greatly depleted and nearly exhausted stocks of copals without much opportunity for replenishment even in the Congo copal line until a long overdue cargo from the Belgian Congo, consisting of 416 tons, reaches here this coming week.

Dammar—Gum dammar is in only moderately active demand, chiefly because of its relatively high cost. The Department of Agriculture announces that its recent offering of 12,462 pounds of this gum has been sold at a price of 35 cents per pound.

Shellac—Two cargoes of shellac have arrived at the port of New York within the past week, but these have added little to the inadequate supply of seedlac and T. N., both of which are still urgently needed to amplify bleaching operations to the extent of current requirements in the varnish industry. The cargoes referred to above have consisted of an aggregate of 3,128 bags of seedlac, 100 bags of buttonlac and 4,511 bags of otherwise unspecified shellac.

Glues and Binders

Casein—A dearth of new arrivals of casein from Argentina and the unwillingness of domestic producers to swell their ebb-tide production unless the ceiling price is raised to a level materially above 24 cents per pound for the acid-precipitated type are combining with the insistent and unsatisfied demand from all classes of consumers to cause a further stiffening of the market for this material. Producers in Argentina are becoming still firmer in their views and are currently asking an f.o.b. Buenos Aires price which, with ocean freight rates and import duties added, would carry the delivered New York price well above 24 cents. Only one more cargo of casein from Argentina has reached here within the past week and this has consisted only of 2,000 bags, all consigned to one importer. The Department of Agriculture reports having bought 600,000 pounds of processed acid casein at ceiling prices.

Glues—Despite the recently imposed 45-days' supply inventory limitation, many consumers of hide glues continue unable to obtain their requirements in these glues, as production is still handicapped seriously by lack of adequate manpower and raw materials.. Manufacturers are still being compelled to scale down most of the orders presented to them for bone as well as hide glues. Latest arrivals of materials have included 466 bales of gluestock and 2,026 bags of crushed bones.

McKenney Joins Glidden Co.

W. R. McKenney has been made industrial sales promotion manager of the Glidden Company, paint manufacturer, Cleveland. For twenty years Mr. McKenney was associated with the Forbes Varnish Company in various capacities.

Index Chemical Damaged

An explosion in the plant of the Index Chemical Company, manufacturers of vitamin compounds, Los Angeles, injured two persons and wrecked the building causing damage estimated at $25,000.

Washington Talks It Over

—Continued from page 5

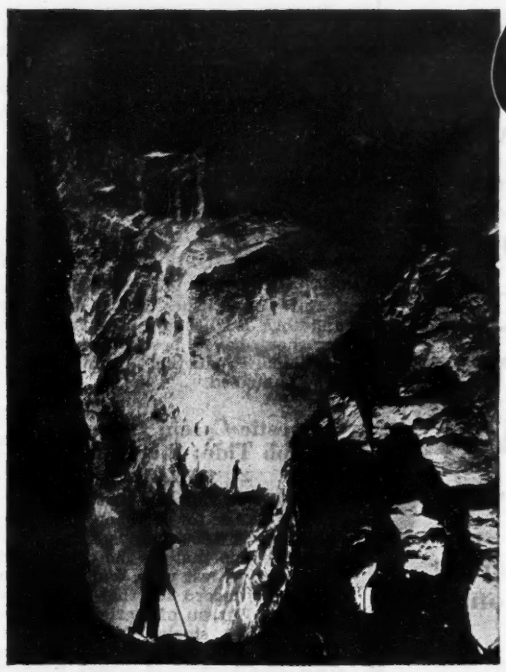
siderations bearing on competitive advantages enjoyed by tax-exempt organizations.

The expectation is that the report will be followed within a few weeks by policy statements from the Treasury and the staff of the joint committee on internal revenue taxation with respect to possible legislative action. The report found that gross receipts of tax-exempt groups in 1943 were about $5,200,000,000. Farm cooperatives, whose tax-exemption privileges are an acute source of controversy, head the list with gross receipts of $3,000,000,000.

N.Y. Paint Ass'n to Aid Surplus Materials Clearance

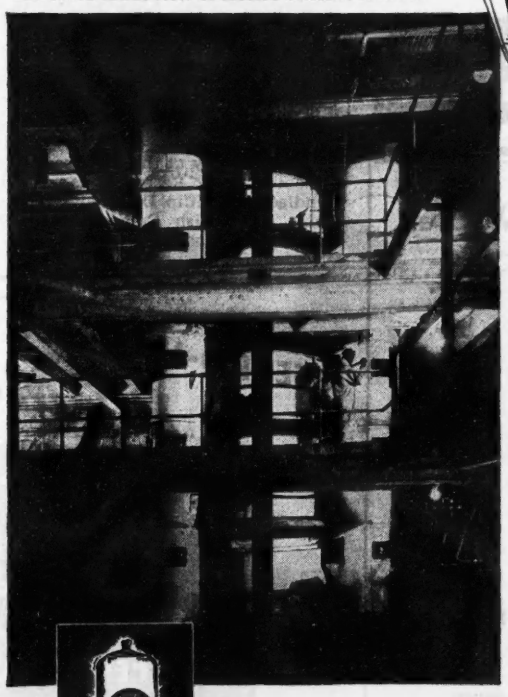
The office of the New York Paint, Varnish and Lacquer Association is acting as a clearing house for the disposal of surplus materials for their members to others who may have need of them. The office is located at 360 Furman St., Brooklyn 2, New York.

ST. JOE *Lead-Free* ZINC OXIDE



ABOVE: *A stope in the Balmat mine.*

BELOW: *Partial view of electro-thermic furnace.*



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The ore from which St. Joe Zinc Oxides are produced originates in the northern part of New York where the St. Joseph Lead Company owns and operates zinc mines at Edwards and Balmat, St. Lawrence County.

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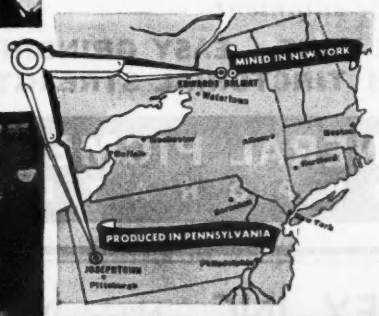
From Josephtown, Pa. the finished zinc oxides, packed in paper bags and wooden barrels, are shipped to all consuming industries in the country—Josephtown being centrally located, geographically, as far as the major consumption of Zinc Oxide is concerned. In addition, stocks of St. Joe lead-free Zinc Oxides are warehoused in the principal cities of the United States.



BELOW: *Section of our Zinc Oxide storage warehouse.*

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ETHOX, (Diethoxy Ethyl Phthalate) (Di "Cellosolve" phthalate)
DIOCTYL PHTHALATE
KAPSOL, (Methoxy Ethyl Oleate)
KP-23, (Butyl "Cellosolve" Stearate)
PHOSPHORUS TRICHLORIDE
PHOSPHORUS OXYCHLORIDE
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Samples and data on request
"Cellosolve" "Kronisol" "Kronitex", "Methox" "Ethox" and "Kapsol" are trademarks
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Soffer Buys Interest In Cheesman-Elliot Co.

Harry C. Soffer, formerly managing director of the Paragon Paint & Varnish Corporation, has acquired a controlling interest in the business of Cheesman-Elliot Company, of 639-647 Kent avenue, Brooklyn, N. Y.

Harry C. Soffer

The Cheesman-Elliot Company has been in the paint manufacturing business for more than fifty years. Mr. Soffer believes that before very long, it will be possible to extend the business of the Cheesman-Elliot Company into the trade sales field, where he is widely known.

Brushes Restrictions Lifted by CPA

OPD Washington Bureau

All restrictions governing the manufacture of brushes made from pigs' and hogs' bristles and the sale of these brushes have been removed, the Civilian Production Administration has announced.

Domestic Casein Output At Ebb Tide; Stocks Big

OPD Washington Bureau

Production of dry casein in the United States for October, which totaled only 495,000 pounds, was 23 percent less than that for the corresponding month of last year, and the lowest output on record for that month, reports the Bureau of Agricultural Economics. Yet, stocks of dry casein in the hands of domestic producers continue at a high level. With 8,050,000 pounds on hand October 31, stocks were 59 percent higher than a year earlier. Present stocks are also higher than those on the same date in 1943, but lower than in 1942 and 1941.

Chicago Paint Technicians Christmas Party Set

The Chicago Paint & Varnish Production club will hold its annual Christmas party at the Morrison hotel, December 14. Reservations will be handled by Phillip De Leeuw, Nubian Paint & Varnish Company, 1856 N. LeClaire, Chicago.

N.Y. Paint Club's Party Enjoyed by a Thousand

More than a thousand members of the New York Paint, Varnish and Lacquer Association, New York Paint and Varnish Production Club, New York Credit Men's Association and Travelers Associations of New York and New Jersey participated in the Christmas Party of the first-mentioned organization held in the Waldorf-Astoria Hotel, December 6, which was made especially notable by the high-class entertainment features furnished by its program committee, headed by Page N. Hamilton, and the distribution of valuable gift certificates to thirty-five lucky number holders.

The New York Paint and Varnish Production Club will hold a Christmas Party of its own, December 13, in the Building Trades Employers Association building.

Pittsburgh Plate Glass To Build Paint Plant

Pittsburgh Plate Glass Company will start contructing its eighth plant for production of paints at Springdale, Pa., near Pittsburgh, at a cost of $1,750,000.

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Detergent — No. 44 (crushed)
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AHCO PRODUCTS
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METHYL CELLOSOLVE STEARATE is a synthetic ester and is used as a plasticizer for cellulose derivatives and for resins. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOCH_2CH_2OCH_3$
Molecular weight	342
Color (platinum cobalt scale)	175
Melting point	64° to 70°F
Flash point	378°F
Acidity	less than 1.0 mg. KOH per gram ester

★
BUTYL STEARATE
BUTYL STEARATE is a synthetic ester and is used as a plasticizer in cellulose and polyvinyl derivatives, also for cosmetics and for paper coating. The following data may suggest other uses.

Chemical formula	$C_{17}H_{35}COOC_4H_9$
Molecular weight	341
Color (platinum cobalt scale)	130
Melting point	64° to 70°F
Flash point	358°F
Acidity	less than 1.0 mg. KOH per gram ester
Saponication number,	171-179 mg. KOH per gram ester

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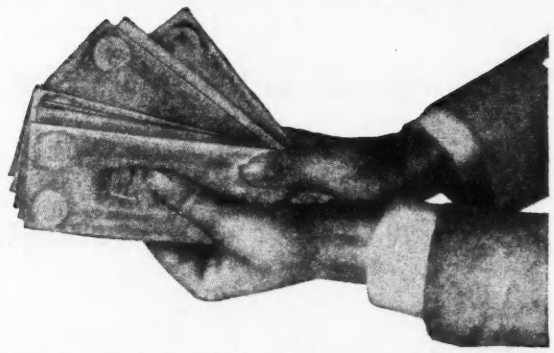

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Chemical Products Department
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Oils, Fats, and Waxes

Owing to the scarcity of supplies of oils and fats and the limited offerings of new crop oils, the volume of business was light during the week. Refiners and consumers continued to bid freely at ceilings for all materials for immediate and future delivery, but producers confined transactions to immediate and prompt shipment and refused to book contracts for forward positions.

While the production of grease and tallow indicated moderate gains owing to the increased slaughter of hogs and cattle, an urgent demand absorbed all available supplies at ceilings and users were anxious to obtain additional quantities.

An active and unfilled demand for oilmeals continued to feature this market. Production of cottonseed, linseed, peanut and soybean meals moved rapidly against former orders and because of the scarcity of supplies it was understood the feed management branch of the Agriculture Department will request feed manufacturers to limit their use of oilmeals to the same quantities used in December, January, and February of last year. Should this program fail, a mandatory order may be issued later.

Domestic production of oils and fats declined during 1945, and for the next year or two is likely to be less than 10,000,000,000 pounds, compared with the wartime peak of 10,800,000,000 pounds, according to the Bureau of Agricultural Economics. Imports will increase materially in the next two or three years as world export supplies expand to the prewar volume. Prices of oils and fats in the United States will continue at high levels through 1946 and 1947. If price ceilings are removed in 1946, prices of some oils and fats would advance, the Bureau added.

Cottonseed Oil

Lack of offerings of crude oil, except for immediate shipment continued to restrict the volume of business during the week. Refiners were bidding at ceiling for all positions, but crushers were still reluctant to book contracts for nearby and future delivery.

Some 550 drums of cottonseed oil arrived at New York from Brazil during the week and were consigned to the U. S. Commercial Company for allocation.

Bleachable oil prices follow:—

	Cents per pound in tanks		
	High.	Low.	Close.
December	....	....	14.31 nom.
March	....	....	14.31 nom.
May	....	....	14.10 bid
July	....	....	14.00 bid
September	....	....	13.55 bid
October	....	....	13.55 bid

Total sales, none.
Cash, 14.31c. nom.
Crude, Southeast, 12½c.; Valley, 12½c.; Texas, 12½c., f.o.b. works (all ceiling prices).

Linseed Oil

Little of new interest developed in this market during the week. Increased production of oil in this area was slowly reducing the large backlog of orders held by crushers. Consuming inquiry was keen for early next year requirements, but producers were still out of the market and turned orders for all positions. Demand for replacement oil has materially improved of late owing to the scarcity of raw oil.

Minneapolis, Dec. 5.—With the crushing rate at 100 percent of capacity and the mills turning every possible stone to uncover flaxseed the situation in the oil market was still very tight.

Shipments of linseed oil, in pounds, were as follows:—

	1945-46	1944-45
This week	6,480,000	5,580,000
Since Sept. 1	96,760,000	92,060,000

Los Angeles, Dec. 5.—Slightly increased supplies of linseed oil were reported, but the market remains extremely tight. Deliveries against former contracts picked up somewhat. The 1946 flax acreage goal has been increased to 130,000 acres as against the previously announced 117,000 acres. Oil was named at 14.5c. per pound in tankcars.

Flaxseed—Receipts of seed were smaller at New York from the Northwest during the week, having reached the peak two weeks ago.

Minneapolis, Dec. 5.—Linseed crushers were still avid buyers of the rather meager receipts of flax coming into Minneapolis. Figures released, showing flaxseed movement from August 1 to November 30 indicated that a total of 16,572,000 bushels has been marketed in Minneapolis as compared with 11,466,000 bushels last season. Shipments to November 30 totaled 2,826,000 bushels as compared with 1,569,000 bushels last year.

	Receipts 1945-46	Receipts 1944-45	Shipments 1945-46	Shipments 1944-45
This week	316,500	141,000	69,000	12,000
Since Sept. 1	15,879,000	8,561,000	3,157,000	1,164,000

Flaxseed in Minneapolis during the week was unchanged at $3.10 (ceiling) per bushel for spot and for forward deliveries.

Buenos Aires, Dec. 6.—No flaxseed shipments were made during the week. Visible supply of seed was unchanged at 1,378,000 bushels. Seed was quoted at $1.66 per bushel, f.o.b. steamer.

Hull, Dec. 6.—Bombay, £37¼, December-February; Calcutta, £34¾, December-February; La Plata not quoted.

Other Vegetable Oils

Castor Dehydrated — Tight supply conditions continued to curtail business. Production was sold ahead and available stocks scarce. Arrivals totaled 852 drums from Brazil for delivery on prior orders.

Corn—While production was improved, offerings were scarce and were promptly taken at ceilings.

Oiticica — Consuming inquiry was more active, though trading lacked snap. Market was firm and unchanged. Offerings for shipments from Brazil were reported scarce.

Peanut—Trading was reported at 13c. ceiling to refiners in position to furnish tanks quickly for immediate shipment. There is practically no offerings reported for deferred shipments. Formal announcement has been made by the Department of Agriculture that there will be no peanut marketing quotas and no acreage allotments during the 1946-47 production and marketing season. Action was taken in accordance with provisions of the agricultural adjustment act of 1938, designed to protect both consumers and producers in maintaining adequate food supplies.

Soybean—Bids at ceilings brought out few offerings of crude oil. Inquiry was keen for prompt and forward delivery, with trading light and spotty. Department of Agriculture has terminated WFO No. 110 November 30, as this order is no longer needed. This order, issued August 24, 1944, restricted the purchase and use of soybeans of the 1944 crop so as to promote the orderly marketing of this commodity.

Tung—With crushers out of the market, owing to sold-up production to next March-April, business was inactive. Consuming inquiry was urgent. Prices were firm at ceilings.

Atlanta, Dec. 5.—Trading in crude cottonseed and peanut oils was fairly active at ceilings for immediate delivery. Offerings for deferred positions still scarce. Cottonseed meal situation tighter with demand unsatisfied. Peanut meal in urgent request with sales reported in truckloads at $1 above ceilings.

Los Angeles, Dec. 5.—Market remains firm with no new features involved during the past week. Demand for all oils was good, but because of limited supplies trading was light. Price remains firm at ceilings.

Fats and Greases

Grease—Increased offerings were readily taken, especially in the West, while supplies in the East showed little material gains. Demand continued keen, here, and exceeded supplies. Prices were firm at ceilings.

Lard—Steady demand for cash lard continued to absorb larger available supplies at ceilings, thereby keeping stocks at low levels. Lard stocks in

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Wax, Bees, 2½c. to 5c. per lb.
Carnauba No. 3, chalky, 58¾c.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week.	Prev. week.	Last month.	Last year.
193.3	193.3	193.3	192.4

For Current Prices see page 9.

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Chicago totaled 9,243,530 pounds on November 30, compared with 5,243,530 pounds November 1 and 18,649,370 pounds November 30, last year.

MPR 53 was amended, restricting shipments of lard and rendered pork fat into California, Oregon and Washington, effective December 1. During the month of December shipments into this area shall not exceed quantities shipped for civilian consumption in December, 1944, and during the first quarter of 1946 shall not be larger than the same period in 1945.

Tallow—Buying interest continued urgent and more liberal offerings were absorbed at ceilings. Although production has increased, demand was in excess of stocks.

Shipments of tallow and animal fats, exclusive of lard, totaled 9,178,000 pounds from the Argentine to the United States and Canada during the first nine months of 1945, compared with 29,222,000 pounds during the same period last year, it was reported by the Department of Agriculture.

Animal Oils

Degras—Trading was confined to small lots. Supplies were limited and well maintained at current levels.

Grease Oil—Production was sold well ahead, resulting in a scarcity of offerings. Inquiry was fairly active. Prices were steady.

Neatsfoot Oil—Business was light and confined to small lots. Prices were unchanged and fairly steady.

Oleo Oil—Market remains quiet, owing to the scarcity of supplies. Bids at ceilings attracted little attention.

Fish Oils

Cod—Scarcity of supplies keeping market firm. Demand was fairly active. Arrivals were reported at 156 drums and 26 casks for delivery on prior contracts.

Menhaden—Supplies were limited and the market continued strong. Refined grades were in good demand, with refiners not accepting additional commitments. Crude oil was bid at ceilings, but offerings were scanty.

Baltimore, Dec. 5.—Several days of rain interfered with the operations of the forty-odd boats engaged in menhaden fishing off the North Carolina coast. But the boats keep up their work, prompted by indications of the presence of fish, and some further sales of oil have been made, though in small quantities. The activities of the fleet will come to a definite close some time this month, and to be followed by efforts of plants down in Florida to try their luck. The demand for oil continued active. Crude oil was strong at the ceiling of 8.9c. per pound.

Sardine—Market quiet, but strong. Refiners were bidding at ceilings but offerings were scarce. Demand for refined oils also was keen, with supplies scanty.

Los Angeles, Dec. 5.—Poor fishing again was reported all along the Pacific coast. Supplies are short and the market is tight. California Sardine Products Institute reported 291,815 tons this year to November 24, against 410,508 tons November 25, last season.

Fatty Acids

Red Oil—Withdrawals against former contracts were in good request. Limited supplies continued to curtail the acceptance of new business. Prices were firm.

Stearic Acid—With production sold up, offerings were scarce and the market was firm at ceilings. Deliveries against contracts were in steady demand.

Chicago, Dec. 5.—Business in fatty acids has continued fairly active. Supplies were light. Prices were firm at ceilings.

Cake and Meal

Cottonseed Meal—Situation grows steadily worse. Processors have lost control of distribution because they must turn back all meal to owners of the cottonseed. The meal is reaching various markets at diverse prices, some of which are reported considerably higher than the $46.50 bulk ceiling.

Linseed Meal—Scarcity of offerings continued to feature this market. Production promptly absorbed against former orders.

Minneapolis, Dec. 5.—Buyers were actively interested in obtaining supplies, but found that crushers had little or nothing for sale in the spot or nearby market. Demand extends well into the next year, but crushers were not offering beyond thirty to sixty days.

Shipments of linseed meal, in pounds, were as follows:—

	1945-46	1944-45
This week	10,140,000	7,446,000
Since Sept. 1	156,600,000	130,784,000

Peanut Meal—Although production is nearly equal to last year, a good many processors are saying the final out-turn will be considerably less, due to heavy demand from edible trade. Present sales are mostly confined to truck lots, which enables the mills to obtain $51.00 bulk, or $1.00 more than carload ceiling. The heavy local demand may ease up after Christmas, thereby providing some surplus production for shipment in cars. However, processors steadfastly refuse to make new commitments for early and late Spring deliveries.

Waxes

Beeswax—Buying interest was slow during the week. Market was firm and prices were maintained at recent advances. Bleached, U.S.P. white was quoted at 62c. to 63c. per pound; African crude, 45c. to 47c. per pound; Western Hemisphere grades, 49c. to 51c.; refined, U.S.P. bricks, 56c. to 58c.; refined, slabs, 55c. to 56c. on the spot, depending upon quantity and seller. Arrivals totaled 329 bags during the week.

Carnauba—Consuming inquiry continued keen, during the week, though the volume of business was reported moderate and the market continued strong. Offerings from Brazil were advanced from 3c. to 5c. per pound during the week. No. 3 Chalky was quoted at $1.30 per pound for spot delivery. Other grades were unavailable and merely nominal.

Candelilla—Offerings for shipment were awaited from Mexico and were expected after December 15. Market was merely nominal at 60c. to 62c. per pound for crude and 65c. and 67c. for refined.

Ouricury—Inquiry continued keen, but business was slow, owing to the scarcity of offerings. Advices from Brazil stated that producers have withdrawn from the market. Arrivals totaled 170 bags, and were delivered against previous orders.

Sander Corp. Completes Addition to Plant

Monroe Sander Corporation, manufacturer of paints, varnishes, lacquers and synthetics, Long Island City, has completed construction of an addition to its plant for laboratory research and experimental purposes.

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Margarin Output: Sept.

Margarin production was smaller in September than during the same month last year, according to statistics compiled by the Bureau of Internal Revenue.

	Pounds— 1945.	1944.
Production of uncolored oleomargarin	[1]33,765,520	[2]48,821,030
Withdrawn tax-paid	33,781,790	47,409,234
Used in Uncolored Margarin		
Butter flavor	587	243
Citric acid	84	454
Corn oil	583,285	1,264,082
Cottonseed oil	17,283,442	19,234,547
Derivative of glycerin	64,069	85,069
Diacetyl	45	100
Estearine	8,206	10,206
Lecithin	41,701	45,925
Milk	5,734,113	8,581,427
Monostearine	26,505	39,817
Neutral lard	75,428	648,419
Oleo oil	198,666	652,127
Oleo stearine	199,564	229,209
Oleo stock	16,280	36,941
Peanut oil	753,688	1,851,928
Salt	1,039,243	1,543,518
Soda (benzoate of)	22,389	30,122
Soybean oil	8,506,004	15,647,792
Soybean stearine	3,024	.....
Tallow	1,300	.....
Vitamin concentrate	7,041	8,151
Totals	34,565,164	49,910,137
Production of colored oleomargarin	10,866,848	[3]2,262,028
Withdrawn tax-paid	774,270	1,364,000
Used in Colored Margarin		
Butter flavor	228	11
Color	8,327	1,465
Corn oil	602	1,260
Cottonseed oil	524,222	393,993
Cottonseed flakes	6,296	.....
Derivative of glycerine	15,501	2,197
Diacetyl	45	4
Estearine	209	162
Lecithin	4,383	1,044
Milk	1,808,389	366,269
Monostearine	10,474	1,483
Neutral lard	203,064	80,623
Oleo oil	395,355	81,830
Oleo stock	157,925	6,109
Peanut oil	11,413	2,842
Salt	374,647	72,685
Soda (benzoate of)	7,665	1,221
Soybean oil	7,504,413	1,235,782
Vitamin concentrate	1,402	360
Totals	11,034,830	2,249,290

[1] Of the amount produced, 8,474 pounds were reworked.
[2] Of the amount produced, 27,723 pounds were reworked.
[3] Of the amount produced, 17,334 pounds were reworked.

Colombia Fertilizer Plant Sponsored by Gov't Units

The new fertilizer company organized in Colombia and sponsored by several government organizations will be known as the Fabrica Colombiana de Abonos. It will have a capital of 4,000,000 pesos. First the company will enlarge the fertilizer plant now operating in Bogota and will later establish two plants in Western Colombia, one of which may be located in Manizales. The Bogota plant is producing 100 metric tons of bone flour monthly. Two products are made, one for fertilizer and one for cattle food, the raw materials being obtained from slaughterhouses in and near Bogota.

NEW
HIGH MELTING MICRO-CRYSTALLINE PETROLEUM WAXES in *POWDER* FORM

INDUSTRIAL RAW MATERIALS CO.
70 PINE ST. NEW YORK 5, N. Y.
WHitehall 4-0710-1-2

Naval Stores Planners To Meet December 12

The Gum Naval Stores Industry Planning Committee will meet in Jacksonville, Fla., December 12.

The committee is a recently organized group comprising producers, processors, factors, and dealers. Its officers are:—President, Arthur L. Brogden, president of Turpentine & Rosin Factors, Inc., Jacksonville, Fla.; vice-president, Thomas J. Taylor, jr., of Taylor, Lowenstein & Co., Mobile, Ala.; secretary, Mrs. Claudia Hamm, editor of *Naval Stores Review*, Savannah, Ga.

The Naval Stores Council, an associated organization, is also headed by Mr. Brogden as chairman. It is composed of the following representative of the divisions of the trade:—

Producers, Harley Langdale, president of the American Turpentine Farmers' Association, Valdosta, Ga.

Processors, Charles C. Gillican, vice-president and general manager of Filtered Rosin Products, Inc., Jacksonville, Fla.

Factors, Arthur L. Brogden, president of Turpentine & Rosin Factors, Inc., Jacksonville, Fla.

Dealers, J. Cheshire Nash, president of the Columbia Naval Stores Company, Savannah, Ga.

RFC Offers Paint Surplus

The Reconstruction Finance Corporation, 70 Pine street, New York, is offering the following quantity of paint surplus materials: — White paint, 39,465 gallons; black paint, 31,815 gallons; blue paint, 16,000 gallons; yellow paint, 30,200 gallons; olive drab paint, 26,300 gallons; gray paint, 1,600 gallons; paint remover, 900 gallons; phenolic enamel, 11,421 quarts; insulating varnish, 12,130 pints.

Dickinson Leaves Glidden To Join Doyle & Dickinson

W. L. Dickinson, who has been handling the sale and purchase of vegetable oils for Durkee Famous Foods, Chicago, division of Glidden Company, Cleveland, has resigned to become a partner in the Doyle & Dickinson Company, Board of Trade Building, Chicago.

Other partners in the firm, which handles feed ingredients, grains and vegetable oils, are J. L. Dickinson and Robert M. Doyle. W. L. Dickinson, who joined the firm as of November 1, will specialize in the handling of both crude and refined vegetable oils, imported and domestic. However, he will also deal with the other commodities handled by the firm.

Buckeye Cotton Oil Plant Plans Expansion

The Buckeye Cotton Oil Company, plant, Louisville, a subsidiary of the Procter & Gamble Company, Cincinnati, has recently completed a 300,000 bushel addition to its concrete elevator plant, used for storage of soybean and cottonseed in the rough, this increasing storage capacity of seed to approximately 2,000,000 bushels. The company has also announced plans for a $150,000 addition to its processing unit.

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Domestic and Export
PRODUCTS OF COTTONSEED, PEANUTS SOYBEANS and GROUND GRAINS
Members: Memphis Merchants Exchange, Chicago Board of Trade, Grain and Feed Dealers National Association, American Feed Manufacturers Association, Inc., National Cottonseed Products Association.
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A FREE-FLOWING STEARIC ACID IN BEAD FORM
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1 A.S.M.E. approved Autoclave; 24"x30", Jktd., 60-lb.; internal working pressure 825 lbs.; provision for agitator.....1039/N2
1 Devine Jacketed Autoclave; 31"x 36"; hinged cover with swing bolts 606/E2

Cutters, Choppers

1 Sprout Waldron No. 1½ Rotary Cutter arranged for belt drive... 841
1 Buffalo 36" Bean Chopper.....6990
1 Hercules Bone and Ice Chopper. 457/R2

Colloid Mills, Homogenizers, Viscolizers

1 Eppenbach Horizontal No. 1; 3" rotor; 1½ H.P.....8541
1 Manton Gaulin Homogenizer; 60 GPH; 3 H.P.....508/W1
1 U.S. Colloid Mill No. 1 Horizontal; 3" white metal rotor and stator motorized 5 H.P. A.C. 3540 RPM.....S 107
1 Union Steam Pump Co. No. 450 Viscolizer with 10 H.P. A.C. Motor 707/A5

Compressors

1 Vilter Ammonia Compressor, 9½"x8½", arr. for motor drive.980/B8
3 Brunswick Kroeschell C02 Compressors with motor.....8330

Condensers, Heat Exchangers

1 Westinghouse C.I., Surface Condenser; brass tubes 1000 sq. ft..9118
2 Alberger C.I. Condensers; 1520 sq. ft.....910882
1 Devine Cast Iron Surface Condenser with Receiver; Type 40-8Y 606
1 Devine Vertical Heat Exchanger with 82 sq. ft. steel tube surface.9549
3 Deekebach Copper Refrigerator Condensers each having 58 turns of 1" coil on 7" diameter with center tube 5"x109" long.....9308

Crystallizers

1 Buffalo all bronze Crystallizer; 3'x9'; Jacketed.....9826

Digesters

1 Rotary Jacketed Steel Digester, 6'x13' 9725/D
1 Bartlett Snow Steel Digester; 9'x18' 8475
4 Cast Steel Digesters; 54"x9'; Jacketed Agitated.....8675/C
3 Steel Digesters; 5'x13'9"; hinged, bolted covers..... 106

Dryers, Coolers, Kilns

1 Vacuum Shelf Dryer, 24"x24" complete.
1 Gehnrich Gas Fired Truck Type Dryer; 36"x68"x82".....980D/14
1 Devine Rotary Vac. Dryer; 3'x25' 9127/S8
1 Devine Rotary Vac. Dryer; 5'x30' 8422
1 Buffalo Vac. Drum Dryer; 24"x20' 9776/N2
3 Mosser Rotary Kilns; 7'6"x60'..8579
1 Buffalo Jktd. & Agt. Vac. Pan Dryer; closed type, 6' dia..... 675

Evaporators

2 Swenson 6' Cast Iron Evaporaters with jet condensers.....9882
1 Zaha Evaporator or De-Alcoholizer, 15" dia. x 12' high; 5 H.P. motor..... 487
1 Pfaudler Glass Lined Jacketed Evaporating Dish; 28"x10".....9794
1 Pfaudler 300 Gal. Glass Lined, Jacketed and Agitated Open Top Evaporater; 5'x2'..... 780

Extractors (Centrifugals)

1 American Monel Basket 28" Centrifugal Extractor, underdriven. 930/B10
1 Sharples Centrifugal Clarifier; Type BLPIC.....16522

Continued—Last Column Opposite Page

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EAST 9th STREET AND EAST RIVER DRIVE
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Help Wanted and Positions Sought—Minimum $2.00, thirty-six words or less; 35c for each additional six words.

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Long established and successful New York distributor with large warehouse on railroad siding, whose adequate selling organization intimately contacts manufacturers of paints, varnishes, lacquers, printing inks, etc., is now open to exclusively represent, in the New York, Pennsylvania and New England markets, a producer of alkyd and other synthetic resins. Now representing nationally known, non-conflicting kindred lines. References exchanged. OPD 492.

New two-way automatic conveyors for powder filling machines. Make manually operated machines fully automatic. Will operate Stokes & Smith, J. H. Day and other filling machines. Fully guaranteed. Approximately 30-day delivery. Write for full information. Gusler Products Company, 2917-23 West 6th, Amarillo, Texas.

AGENCIES WANTED

Interested to represent American manufacturers of medicines, preferably tablets and injections, in India. Have wide sales organization throughout country. Please forward terms and literatures. Drugs of India (Farmers) Ltd., 116/1/1, Harrison Road, Calcutta (India).

If you can offer raw materials used by the soap industry and would be interested in representation in Cincinnati and surrounding territory, please address OPD 496.

An old well established firm with office in New York City and with nearby factory and warehouses wants to represent for local and export sales some leading out-of-town manufacturers of fine and heavy chemicals. OPD 512.

EQUIPMENT WANTED

Stokes or Colton automatic tube filling machine with closing and crimping attachment. The Craftint Mfg. Co., 210 St. Clair ave., N. W., Cleveland 13, Ohio.

Close pressure tank 500 to 750 gallons with steam jacket built for 125 pounds steam pressure; internal working pressure 15 pounds. With or without agitator. Open steel tank with or without lead lining, 2,000 to 2,500 gallons; cone shaped or dished bottom. With or without agitator. OPD 506.

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Special Items from Stock

1—WORLD AUTOMATIC ROTARY LABELER, M.D.
1—1000 GAL. LEAD-LINED CLOSED TANK, LEAD COILS.
1—ALL COPPER 5' DIA. VACUUM PAN WITH CONDENSER AND VAC. PUMP.
1—500 GAL. JACK. AGIT. AUTOCLAVE, STEEL, HAMMER WELDED CONSTRUCTION 200 LB. JACK. PRESS, 550 LB. INTERNAL PRESS.
1—KOMAREK-GREAVES BRIQUETTE PRESS, WITH 2—35"x24" FACE, ROLLS FOR EGG-SHAPED BRIQUETTES, RATED 25 TONS PER HOUR.
1—2500 LB. HORIZONTAL STEEL DRY POWDER MIXER, SPIRAL AGITATOR.

5—DRY POWDER MIXERS, various sizes. To 3000 lbs.
12—OLIVER FILTERS, 4'x6', 6'x6'; wood and iron; 8'x8', 8'x12'.

DRYERS

5—B. & C. 28" Dia. x 60" face Atmospheric Double Drum Dryers, complete.
1—Devine Vacuum shelf Dryer, 8 shelves 40" x 42", complete with Stokes H.V. pump, condenser.
5—Atmospheric TRUCK DRYERS—each has 4 trucks, each truck holds 40 trays, 1.280 sq. ft. tray surface per dryer. Equipped with trays, heating coils, fans, etc.
1—32"x72" BUFLOVAK ATMOSPHERIC DOUBLE DRUM DRYER, m.d.
1—Devine 3'x9' Bronze Double Drum ROTARY VACUUM DRYER, complete with all auxiliaries.
1—Buflovak 6' dia. Jack. Vacuum CRYSTALLIZER or VACUUM PAN DRYER.
2—70"x30" RUGGLES COLES DIRECT HEAT ROTARY DRYERS. Type A-9.
9—Direct heat ROTARY DRYERS. 4'x30', 5'x30', 70"x30", 6'x60'.
2—ROTARY KILNS, 6'x60'.
1—5'x12' Vacuum DRUM DRYER. Buffalo Foundry, complete with accessories.
10—ROTARY VACUUM DRYERS: 3—Buffalo 5'x20'; 3—Devine 4'x25'; 1—Devine 4'x30'; 1—Struthers Wells 30"x12'.
1—ATMOSPHERIC DRUM DRYER, 4'x12'.
1—Buffalo 36"x72" Atmos. DOUBLE DRUM DRYER, complete.

1—YORK 49 ton AIR CONDITIONING UNIT with 60 HP motor.

5—W. & P. MIXERS, 150 gal. cap., jack., double sigma blades for direct m.d.

8—HEAT EXCHANGERS, 50 to 1600 sq. ft. heating surfaces; 5 copper, 2 steel tubes.
8—RUBBER LINED Rectangular Tanks; 7—500-gal.; 1—150 gal.
23—CENTRIFUGAL EXTRACTORS, 12" to 72" bronze and steel baskets, belt and motor drives.
1—Pneumatic Scale Co. Auto. tight WRAPPER.

MILLS AND PULVERIZERS

6—PEBBLE MILLS, 1—6'x5' Burrstone Lined; 1—32"x42" Rubber Lined; 4—30 gal. porcelain lined. Other Sizes.
2—24"x24", Jeffrey single ROLL CRUSHERS.
6—RAYMOND PULVERIZERS; 4-Roll Low Side; No. 3, No. 2, No. 0000.
3—Hardinge BALL MILLS, 4'6"x16", 5'x22", also 6'x12' Rod Mill.
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1—5'x13' PEBBLE or TUBE MILL, with open trunions.
1—500 gal. 5'x6' BALL MILL.
3—ROLLER MILLS, 12x30, 16x40 water cooled.
1—Size "B" Erie City COAL PULVERIZER, with 40 P 3/60/220-440 V. Motor. Rated 2000 lbs. per hour.
1—U. S. COLLOID MILL, 6" Stainless Steel Rotor, 5 HP AC Motor.

1—36" dia. Cast Iron COLUMN, 23" high.
2—Batteries of two each TYLER HUMMER SCREENS, 4'x5', single deck, other sizes.
1—Devine duplex VACUUM PUMP, 16x16x12.

2—4-Roll RAYMOND HIGH SIDE MILLS, equipped for vacuum air separation—one with latest "whizzer" separator, one with double cone vacuum separator. Each including exhauster, cyclone collector and inter-connecting piping.

1—Pneumatic Scale Automatic PACKAGING UNIT, complete with liner.

LIQUIDATION

Machinery and Equipment of small PAINT PLANT—Roller Mills, Stone Mills, Paste Mixers, Change Can Mixers, etc. Send for details.

3—STOKES steam heated WATER STILLS, 5, 10, 100-gal. per hour.
1—Abbe Blutergess SIFTER No. 1.
6—Dopp C.I. Jacketed KETTLES, 25 gal. to 100 gal.; 30—steel, cast iron, jack. up to 2000 gal.
1—Shriver Iron FILTER PRESS, 42"x42", 30 chambers.
3—50 gal. copper steam jacketed VACUUM PANS. Other sizes up to 750 gal.
2—200 gal. GLASS LINED jack. KETTLES.
1—Riehle friction grease TESTING MACHINE, cap. 10,000 P.S.I.
1—400 gal. horiz. rubber lined MIXER.
3—Beach-Russ No. 10 ROTARY VACUUM PUMPS with V-belt drive m.d.
1—Pneumatic Scale straight line BOTTLE CLEANER.
3—150 gal. aluminum TANKS, cone bottom.
1—Stokes No. 21 GRANULATING MIXER 50 lb. belt driven.
2—Jones Automatic CARTONERS.
2—Anderson PACKAGING UNITS.
1—Stokes Rotary DDS TABLET MACHINE, 23 punch, maximum 1⅛"; 1—Stokes 0 single punch, up to ¾"; 2—Stokes N single punch ⅛".
1—U.S. Bottlers, 22-spout Rotary Vac. BOTTLE FILLER, m.d.
3—Sharples No. 6 CLARIFIERS and SEPARATORS m.d.
4—DeLaval CLARIFIERS and SEPARATORS, m.d.
1—Portable REVOLVATOR 1000 lb., 11' over-all height, m.d.
1—McClellan Dry Powder Tumbling MIXER, 1500 lbs.
1—J. H. Day Size 10 Jack. Imperial MIXER, 30 gal.
9—Copper & ALUMINUM steam jack KETTLES, 50 to 500 gal. Some with agitator.
1—Bucket Elevator, steel enclosed—78', c. c. including smaller elevators, screw conveyors, etc.
2—No. 0 Raymond Beater type pulverizers, each equipped with air classifier, exhauster, cyclone collector, tubular dust collector and interconnecting piping.

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Includes Rotary Dryers, 4' x 20', 6' x 60'; Steam Tube Dryers 6' x 27'; 40 Agitator Headers for Tanks 10 to 20' dia.; 5 Roll Raymond Mill; 16" x 180' Belt Conveyor; FEINC Rotary Filter 5' x 4'; Scott Quadruple Effect Evaporator, 10,000 sq. ft.; 800 HP of Motors, 10 to 150 HP, 3/60/440 volt; Horizontal Digesters 6' x 12'; Pumps,; Bins; etc. Complete Bulletin on Request!

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.2—Zaremba All-Copper Evaporators, 500 sq. ft. each effect.
1—No. 10 Sweetland Filter, with 54 leaves on 2" centers.
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1—American 6' 2 Disc Rotary Continuous Filter.
6—Oliver 8' x 6' Rotary Hopper Dewaters. NEW.
1—Oliver Robison 6' x 4' Top Feed Ni-Resist Filter.
2—Oliver Filters, 3' x 1', 5' x 8'.
2—Vacuum Shelf Dryers—Buflovak 12—60" x 80" shelves, Devine 13—59" x 78" shelves.
4—Stokes Rotary Vacuum Dryers, 1'6" x 3'0", 4' x 10', 3' x 12', 5' x 33'.
2—Horizontal Stainless Steel Tanks, 3,000 gals.
6—Roller Mills—Kent 4 Roll, 13" x 32" High Speed; Ross 3 Roll, 12" x 30", 16" x 40".
2—Stokes Tablet Machines, 2 Rotary BB; 1 "F".
2—Rotex Sifters, 20" x 80" Triple Deck; 20" x 48" Single Deck.
3—Tyler Hummer Screens, 3' x 5', 4' x 5', and Re-Top.
3—Hardinge Ball Mills, 4½' x 24", 4½' x 16", 2' x 8".
7—Abbe Pebble Mills, 50, 75, 175, 200, 325 gal.
2—Promulsion Mills, Stainless Steel, 3 HP.
5—Copper Vacuum Pans, 30", 42", 48", 5' and 6' dia.
4—Pfaudler Jktd. Agtd. Kettles 125, 200, 400 gal.
1—125 gal. Alum. Jktd. Kettle.
10—Copper Jktd. Kettles, 25 to 150 gal.
3—Steel Jktd. Kettles, 600 to 1,200 gal., some agitated.
2—80 and 125 gal. Dopp Jacketed, Agitated Kettles.
1—Copper Varnish Kettle, 175 gal.
2—1,750 gal. Lead Lined Closed Tanks.
1—Lancaster 30" dia. Batch Mixer.
3—Powder Mixers, 100 to 800 lb.
2—Day Imperial Double Arm Mixers, 30 and 50 gal.
4—W. & P. Mixers, 9, 20, 100 gal.
1—Howes 24" x 12' Powder Mixer.
12—Lead Mixers, 80, 100 gal.
1—Williams No. 1 Hammer Mill.
2—Kent 20" Tandem Stone Mills.
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1—60 gal. CAST SEMI-STEEL Autoclave, agitated, 3" wall.
6—Shriver, Sperry Filter Presses, 36", 32", 30", 24", 18".
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2—Tolhurst 32", 40" Suspended type, Bottom Discharge Centrifugals, solid baskets.
5—Tolhurst 32", 40", 48" Self-Balancing Type Centrifugals.
3—Buflovak Vacuum Drum Dryers, 48" x 40", 5' x 6'.
3—Atmos. Drum Dryers, 4' x 9', 5' x 7', 5' x 6'.
6—Copper and Steel Vacuum Pans, 50 to 750 gal.
2—Swenson Continuous Crystallizers, 24" x 30'.
1—Devine 10" x 10" Two Stage Vacuum Pump.
3—Condensers, 50 to 200 sq. ft.

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1,800 ft. of Lamson & Matthews Heavy Duty Roller Conveyor, 22" to 26".
10—12" Belt Conveyors, 20 to 50' centers, built to specifications
800 HP of Motors, 10 to 150 HP, Westinghouse, 3/60/440 volt, 440 to 860 RPM.
4—Rotary Kilns, 8' x 100', 9' x 70', 9' x 65', 6' x 60'.
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Aluminum chloride, anhydrous, in powder form, 21,000 lbs. Sodium aluminate, 10,000 lbs. Chrome acetate, 8% solution, 3,500 lbs., high quality, subject to prior sale. OPD 499.

Pine jelly soap, petroleum and aromatic solvents, insecticides. In bulk or packed under your private brand, export or domestic, Philadelphia. Inexpensive overnight truck delivery. Large, continuing supplies available. Extra quality, competitive prices. OPD 504.

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Stainless Steel Tanks—new—100 and 200 gal. dished bottoms with stands.
Steam-Jacketed Kettle 9' dia. 5' deep with agitator (new).
Copper tank with agitator and coil 66" dia. x 7' high.
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High Pressure Steel Tanks.
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Patterson Pebble Mill, 24" x 36", lined.
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Sterilizers or Pressure Cookers (new), 18" x 18" on steel legs with gasoline burner, clamp down cover, safety valves and gauge—$75.00 each.
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1—Chrystie 80"x45' Rot. Dryer.
1—Oliver 8'x10' Rot. Vac. Filter.
1—Hardinge 6'x48" Conical Mill.
1—Tube Mill, 5'x15'.
2—Dorr 15' Bowl Classifiers.
1—Sturtevant 36" Rock Emery Mill.

SEND FOR BULLETIN L 25

2—Batteries (9 & 11) Tolhurst 40" Suspended Type, Centrifugals, Motor Driven, Bottom Discharge.
1—No. 6 Sharples 2 H.P. Centrifuge.
25—New Stainless Steel Tanks, 100 to 1,000 gals.
1—150 gal Copper Jack. Kettle.
800-ft. Ball Bearing Roller Conveyor, 12" & 15" wide, 10-ft. lengths.
12—Filter Presses, Iron, Wood and Rubber 18" to 42" sq.
1—P. & S. 12 Truck Atmos. Dryer.
3—Tolhurst 26" & 40" Centrifugals.
5—0000 and No. 0 Raymond Mills.
2—Bonnot 27" dia. Iron Filter Presses.
12—Vertical, jacketed, agitated kettles & Autoclaves up to 1,500 gals.
2—250 & 1,500 gal. lead lined kettles.
1—250 gal. copper jack. vac. Still & Receiver.
1—Pfaudler 350 gal. Jack. Agit. Steel Kettle, Copper Lined.
1—700 gal. steel copper lined vac. Filter Tank.
6—20, 35, 75 & 250 gal. closed, agit. jacketed Copper Kettles.
1—Dopp 50 gal. Jacketed Kettle.
15—50 gal. Steel Tanks, Nettco Drives.
1—Cherry-Burrel Homogenizer,
2—Blystone 2,000 lb. jacketed, horiz. Paddle Type Steel Mixers.
6—Horizontal Mixers, 20 to 100 gals., Single & Double Arm.
1—Faust 150 gal. jack. Spiral Mixer.
1—Howe Barrel & Bag Packer.
2—4,000 gal. vert. Acid Proof Tanks.
3—Devine Horiz Vac. Pumps, 8"x6"x4"x6".
2—Wall Vac. Pumps, 4"x2½".
1—Devine No. 37X, Vert. Condenser.
1—Oliver 14"x8" Duplex Vac. Pump.
1—Penn. Vac. Pump, 14"x5".
1—National Acme Model C20, stainless steel Centrifuge.
2—De Laval Multiple Clarifiers, 300 & 301.
6—Attrition Mills & Disc Grinders up to 22".
1—Ross 2 Roll Granite Stone Mill, 8"x12".
1—Ross 16"x40", 3 Roll Mill.
3—Double Stand Steel 4, Roller Mills, 7"x18" to 7½"x30".
10—Iron Mills, 12", 14" & 18".
8—Stone Mills, 8" to 32".
6—Lead & Paste Mixers, 50 & 60 gals.
3—Copper Varnish Kettles, 200 gals.
25—Steel & Wood Tanks, up to 4,000 gals.
1—Schutz-O'Neil 20" Pulverizer.
2—Double Roll Crushers.
1—Williams No. 3 "Regular" type Hammer Mill.
10—Electric Agitators, ¼ to 2 H.P.
20—Rotary, Centrif. & Triplex Pumps.
6—Gas Boilers, up to 10 H.P.

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5—Stainless Clad Crystallizers, jacketed, size 4' wide x 24' long x 2' 6" deep.

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OLIVER HOPPER
DEWATERERS

8'-0" dia. x 6'-0" Face—100 sq. ft. Area complete with vari-speed drive and supporting frame. Acid-proof construction. Write for drwgs., Pictures.

Stainless Steel Pasteurizing Equipment incl. Holding Tank, Precision Heater, Preheater and Circulator.

Single Drum Dryer, Stainless Steel, Proctor-Schwartz Continuous "Air-lay" Dryer . . . Stainless Steel Freeze Roll.

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TANKS, COPPER, STEEL, BRASS, ALUMINUM, STAINLESS — 100 to 10,000 Gal.
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CHEMICAL-PROCESS EQUIPMENT

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WRITE WIRE OR PHONE for QUOTATIONS on Selections From Stock

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7 Dough Mixers, Jacketed and Unjacketed; 1 to 4 BBL.....Stock

Still
1 Copper Vacuum Still, 5'x8' High Jacketed, Coils in Bottom, 4 Bolted Sections.
1 3000 Gal. Glass-Lined Sectional Still with Jacketed Cone Bottom. 9725/F2

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2—Vacuum Shelf dryers.

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Business Wants

MATERIALS OFFERED

Sale of surplus Chemical Warfare Service termination inventory—sealed bids will be received from date this notice until 12 noon on the 31st day of December, 1945, for the sale of any part or all of the items listed: Zinc, Brass Special, 50-lb. slabs, 53,052 lbs.; Aluminum, 99.9% plus pure, 3 lbs., 6 notch ingot, 14,692 lbs.; Aluminum Alloy, Alcoa No. 2400 pig, 95% aluminum, 5% manganese, 50-lb. pigs, 78,563 lbs.; Flux and Agents for Magnesium Alloying and Pouring, the Dow Chemical Co. No. 230, 450-lb. drums, 90,900 lbs.; the Dow Chemical Co. No. 260, 400-lb. drums, 1 part drum, 106,307 lbs.; the Dow Chemical Co. No. 310. 300-lb. drums, 43,800 lbs.; the Dow Chemical Co. agent 181, 375-lb. drums, 1 part drum, 2,041 lbs.; Sulphur, 16 mesh screen, 50-lb. bags and 425-lb. drum, 14,975 lbs. Material available for sale is located at plant site Dow Magnesium Corporation, Velasco, Texas, and may be inspected between the hours of 8 a.m. and 4 p.m., Mondays through Fridays until closing time on bids. Further information and bid forms may be obtained from Purchasing Department, Dow Magnesium Corporation, Velasco, Texas. Write—Wire—Phone.

FOR SALE

1—Raymond 5-roll high side Pulverizer.
3—4 x 6' Atmospheric Drum Dryers.
2—Oliver Filters: 3 x 4 and 6 x 4'.
1—30" Johnson 42-plate rec. Filter Press.
1—3 x 15' direct heat Rotary Dryer.
1—24" Mikro Pulverizer belt drive.
4—Lead Lined Tanks, 400-1000 gallons.
1—Buflovac 10 gal. jack. Autoclave.
2—24 x 48" Vibrating Screens (New).
3—10-cup International Centrifuges.
1—10x20x12" Union Dry Vacuum Pump.
12—80 gal. O.&T. Lead & Color Mixers.
1—No. 5 Sweetland Filter.
4—Water Stills: 10 and 25 G.P.H.
3—3-roll Mills: 16 x 40 and 12 x 30".

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This equipment can be shipped at once.

Act now and let us know your needs. We feel we can help!

3,500 gallon copper vacuum pan—9' dia. 3" coils.
10—Glass-lined, copper, alum & SS tanks, 50, 100, 500, 2,250 gal.
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1—Kiefer "Cincatti" 6-spout vacuum filler.
1—80 gallon porcelain-lined pebble mill 42"x36"—BD.
4—Stokes 50 & 225 CFM Vacuum pumps—MD late model.
5—Shriver & Sperry iron filter presses — 24-30-36" open and closed.
1—De Laval No. 600 separator—MD.
4—Copper and aluminum still—5 to 500 gal.
2—Tolhurst & Burkhardt 36x24" Extractors—1 rubber-lined.
1—Paterson 12 cu. ft. conical blender.
2—Knapp carton compression belts 6' and 10' MD.
3—Burt & Knapp can labelers No. 2 to gal. size.

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Will purchase your surplus stock of chemicals, drugs, oils, waxes, dyes, solvents. Are you overstocked due to formula change or government cancellations? Write fully. Will make immediate offer. OPD 490.

Do not wait until conditions further limit prospects of disposing of top-heavy inventories. Will purchase surplus unshipped commodities, all kinds. Particularly interested gums, waxes, spices, botanicals, oils, greases, pharmaceuticals, chemicals. OPD 513.

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Paint chemist by company now organizing in Philadelphia area. Must have theoretical and practical knowledge of factory layout and operations. Excellent opportunity and flexible arrangement for capable man. OPD 498.

Wanted — Experienced production and development chemist. Expanding coated fabrics plant; most unusual opportunity; 10 miles from New York. Qualified in oil, resin, pyroxylin, vinyl applications on cottons and rayons; tower and spreader applications; dip and knife coating techniques. Give full particulars; education, experience, present and desired salary. Interviews arranged on qualifications. OPD 500.

Chemical operator fully capable of producing gluconic acid and the gluconates. Must be qualified to formulate and run unit. Experience essential in this field. Exceptional opportunity. Give details of past experience. Strictly confidential. OPD 502.

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1—Ross Continuous Belt Dryer 68' long.
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Salesman wanted for resin manufacturer. Experienced man. Willing to make arrangement on salary or commission basis. Permanent connection. Good variety resins available. All replies strictly confidential. OPD 505.

Sales engineer for metal industry. Experienced in synthetic, organic finishes. Will have complete charge. OPD 509.

Research chemist between the ages of 30 and 40, whose record shows distinct creative talent. Please give details of experience. Substantial compensation for man who can qualify. Laboratories are near New York City. OPD 514.

POSITIONS WANTED

Plant chemist, B.S., 10 years' diversified experience manufacture fine chemicals. Knowledge equipment; handle men, control, perpetual inventory. Capable complete charge small plant or process. Available early 1946. OPD 488.

Pharmaceutical chemist (registered); production expert, thirty years' experience human and veterinary lines, available now. Inventive formulator; tablet specialist; originated "Bolet" type tablet; resourceful, cooperative executive with extensive experience in buying, cost accounting, label and literature copy, stock control; thoroughly familiar Federal regulations. Last ten years full charge ethical veterinary line. Will initiate or take-over and improve. OPD 501.

Consultant: New product development and sales engineering, new plant control methods, petroleum chemicals, insecticides, cosmetics, foods, etc. Chemist, age 35, located Philadelphia. Varied experience available to small organizations, part time basis, reasonable cost. OPD 503.

FOR SALE

2—12 in. x 30 in. Roller Mills
2—16 in. x 40 in. three steel roller mills
PONY MIXERS from 2½ gallons to 40 gallons
5—Change Can Mixers
1—210 gallon Buhr Stone lined Pebble Mill.
2—Practically new 750 gallon Porcelain lined Pebble Mills.
3—32 in. x 36 in. PEBBLE MILLS.
10—1000 gallon steel square storage tanks
10—2000 gallon steel square storage tanks
5—9 in. x 24 in. motor driven roller mills

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Corporation Lawyer capable of handling all matters in the secretary's office of the company, including Tax, Labor and Government advice, etc. Christian, 34 Years of age.

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PAINT PLANT EQUIPMENT

Excellent operating condition.
3 Paint Mills 16" x 40".
6—75 gal. paint mixers.
2—300 gal. heavy-duty mixers.
1 Post Mixer.

Box No. 508, Oil, Paint and Drug Reporter.

WANTED FOR LEASE

10,000 to 15,000 sq. ft. for chemical research laboratory in Metropolitan New York area, nearby New Jersey, Long Island or Conn.

Steam and other utilities required in modern one or two-story building with concrete floors and ample yard space.

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POSITIONS WANTED

A man of proven executive ability with wide and diversified experience in domestic and foreign markets supported by more than 25 years' successful association with chemical industry offers his services as sales manager, executive administrator or kindred responsibility. Throughout the war and now engaged in administration of contracts involving millions of dollars with concurrent responsibilities for large aircraft manufacturer. Services can be made available promptly. Earning capacity substantial. Location, New York City. Confidential, personal interview respectfully solicited. OPD 511.

Obituaries

William H. Alton

William H. Alton, manager of the specialties department for the R. T. Vanderbilt Company, New York, died recently. He was seventy-three years of age. Mr. Alton was said to be one of the early employees of the Vanderbilt organization.

Herbert L. Enzelberger

Herbert L. Enzelberger, sales manager of the Food Container Division of Owens-Illinois Glass Company, died of a fractured skull sustained in an automobile accident in Toledo. His wife, Augusta, suffered injuries in the crash, but is recovering. He was forty-nine years of age. He started his career in the glass industry with the old Owens Bottle Machine Company thirty-two years ago.

Chester A. Iorns

Chester A. Iorns, vice-president and general manager of the Meyer Brothers Drug Company, Inc., New Orleans, died November 24.

A native of Plankington, S. D., Mr. Iorns started with the Meyer Brothers organization in 1904. Previous to becoming vice-president and general manager, Mr. Iorns was for a period, manager of the claims department and later buyer of sundries. Surviving is his wife.

Abraham Radetzky

Abraham Radetzky, president and founder of the Gotham Aseptic Laboratory Company, manufacturers of surgical dressings, Long Island City, died December 4. He was 61 years of age.

Surviving are his wife and three sons.

Kenneth Gladstone Smith

Kenneth Gladstone Smith, retired president of the Pepsodent Company, Chicago, died December 4. He was fifty-three years of age. Mr. Smith, son of the founder of the company, carried on the Pepsodent Company business until August, 1944, when he sold his interest.

Surviving is his wife.

Harold C. Green, director of the Levant division of the Socony-Vacuum Oil Company, Inc., died in Plainfield, N. J., November 27. He was fifty-six years of age.

Miss Isabella MacCarthy, of Schieffelin & Co., wholesale druggists, New York, died November 28. She was 85 years of age.

Dr. Kenneth C. MacDonald, British Columbia Minister of Agriculture for twelve years, died November 19. He was seventy-three years of age.

James Sharp, president of the Viavi Easter Company, pharmaceutical manufacturers, Washington, died. He was eighty-eight years of age.

Bids Wanted

Alcohol, Hexahydric: — 25,000 pounds, Office of the Public Printer, Government Printing Office, Washington, D. C.; bids opening December 12.

Aluminum Hydrate:—1,000 pounds, Office of the Public Printer, Government Printing Office, Washington, D. C.; bids opening December 12.

Carbon Black:—15,000 pounds, Office of the Public Printer, Government Printing Office, Washington, D. C.; bids opening December 12.

Caustic Soda:—3,000 pounds, Office of the Public Printer, Government Printing office, Washington, D. C.; bids opening December 12.

Cobalt Drier:—3,000 pounds, Office of the Public Printer, Government Printing Office, Washington, D. C.; bids opening December 12.

Diethyleneglycol:—1,500 pounds, Office of the Public Printer, Government Printing Office, Washington, D. C.; bids opening December 12.

Drugs, Chemicals:—Procurement Division, Veterans Administration, Washington 25, D. C.; schedule 251, bids opening December 14.

Drugs, Chemicals:—Procurement Division, Veterans Administration, Washington 25, D. C.; schedule 249, bids opening December 18.

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